

LIFE



MODEL AND MANIKIN

MARCH 3, 1941 **10** CENTS
YEARLY SUBSCRIPTION \$4.50

When you buy a Ford car...what happens?

YOU DO NOT JUST BUY so many pounds of steel and glass and rubber when you buy a car.

What you do buy is the ability of men and machines to convert these materials into usefulness to you on the road.

We point this out because when you buy a Ford car this job is done differently for you from the way that it is done by anybody else in the car-building business.

The 1200-acre Ford Rouge Plant is not just

the largest industrial plant in the world, but it is also unusual in its basic idea.

In addition to making finished motor cars, it has its own steel mills, its own tire and glass plants, its own modern plastics division.

It is so complete that raw iron ore may be turned into parts of a finished car within as little time as 28 hours.

Yet at only one point in the whole Ford plant do we take a profit on the things we

make. That is on the finished car, and the profit there is small. In every case, the Ford-produced materials that go into Ford cars are put into them at cost.

That is how it happens that the buyer of a Ford today gets a fine-car engine, extra quality throughout the car, and costly design and construction found in no other car at the price level. These things come to you as your dividend in the Ford way of doing business.



Some Ford Advantages for 1941:

NEW ROOMINESS. Bodies are longer and wider this year, adding as much as seven inches to seating width.

SOFT, QUIET RIDE. A new Ford ride, with new frame and stabilizer, softer springs, improved shock absorbers.

POWER WITH ECONOMY. The Ford engine leads the low-price field in horsepower; holds many records for economy as well as for performance.

BIG WINDOWS. Windshield and windows increased all around to give nearly four square feet of added vision area in each '41 Ford Sedan.

LARGEST HYDRAULIC BRAKES in the Ford price field, give added safety, longer brake-lining wear.

GET THE FACTS AND
YOU'LL GET A FORD!



TEST RESULTS HAVE SHOWN

Listerine's amazing ability to fight colds!



Above are photomicrographs of germs which are among the "secondary invaders" that live in the mouth and way back on the throat and are responsible, many authorities claim, for most of the bothersome aspects of a cold. Listerine Antiseptic destroys large numbers of these potential trouble makers on mouth and throat surfaces.



Year after year, evidence from painstaking research with test groups continues to pile up supporting this impressive fact:

That those test subjects who gargled Listerine Antiseptic had fewer colds, milder colds, and colds of shorter duration than those who did not use it. Moreover, Listerine users experienced fewer cases of sore throat.

Kills Associated Germs

The reason for Listerine Antiseptic's success, we believe, must be this:

That it kills millions of surface germs associated with colds, known as the threatening "secondary invaders," some of which are shown above.

These prevalent types of germs, unless combated, may invade the tissue and accelerate infection. Many an authority gives them credit for causing most of the distress of the common cold.

How thoroughly Listerine Antiseptic attacks them has been recorded by tests that showed that

even 15 minutes after the Listerine Antiseptic gargle, germ reductions on mouth and throat surfaces ranged as high as 96.7%—an hour after, as high as 80%. Yet Listerine Antiseptic is so safe, so gentle in its action, that it does not irritate the tissue.

Fight Colds Intelligently

Get the habit of using Listerine Antiseptic night and morning as a precaution against catching cold, and if you feel a cold coming on, increase

the frequency of the gargle. This emergency treatment may spare you a nasty siege.

LAMBERT PHARMACAL CO., St. Louis, Mo.

NOTE HOW LISTERINE GARGLE REDUCED SURFACE GERMS AS MUCH AS 96.7% IN ACTUAL TESTS! The two drawings at right illustrate height of range in germ reductions on mouth and throat surfaces in test cases before and after gargling Listerine Antiseptic. Fifteen minutes after gargling, germ reductions ranging to 96.7% were noted; and even one hour after germs were still reduced as much as 80%.



Mothers! GET THIS AMAZING

Listerine Throat Light

LISTERINE THROAT LIGHT

DU POINT "LUCITE" SHOOTS LIGHT AROUND CURVE

DEPRESSES TONGUE
LIGHTS UP THROAT

CHECK CHILDREN'S THROAT DAILY

75¢ LISTERINE THROAT LIGHT

75¢ LISTERINE ANTISEPTIC

\$1.50 Value

BOTH FOR 98¢

Offer good only in continental U. S. A.

This One



DYE1-B4P-W5EW

ME A MOLLYCODDLE?



...but confidentially my stomach is!*

VETERINARIANS SAY: *Common dog ailments result most often from hard to digest foods, faulty feeding*

SPANIEL . . . Hound . . . Terrier or Toy! Whatever his breed, your dog has a specialized digestive system. It simply isn't built to handle just any kind of food. That's why your dog's day-in day-out health is so dependent on a properly balanced diet, *easy to digest!* It helps protect him against diet-caused ailments such as excessive shedding, listlessness, dietary skin irritation—many others.

At Swift's Research Kennels is living proof of Pard Dog Food's ability to maintain dogs in glowing, vigorous

health . . . defend them against disease. Here, 5 successive generations of dogs have been strictly Pard-fed *always*. Their growth, general health, and conformation to breed have been splendid!

For robust, permanent health—feed your dog Pard, the ration recommended by leading veterinarians!

*Artist's conception of German Shepherd Dog. Strong, exceptionally intelligent—a splendid guardian. Widely used for police and blind guide work.

ALL BREEDS have a specialized digestive tract—Terriers, too. Yet in 5 generations no diet-caused ailments ever occurred among Pard-fed Wire-Hairs at Swift's Kennels. As for energy—they're bursting with it!



A dog's digestive ability is by nature limited.

That is why his health requires a correctly balanced, easily digested diet. Pard's ability to fulfill these requirements is kennel proved.

H. E. ROBINSON, Ph. D.
of Swift & Company's
Nutritional Research Laboratories

PARD

SWIFT & COMPANY'S
NUTRITIONALLY
BALANCED DOG FOOD

LETTERS TO THE EDITORS

Spindletop

Sirs:

Congratulations on the picture by Alexandre Hogue (LIFE, Feb. 10) and your fine article on Spindletop and the Lucas gusher. My mother, who was 12 years old at the time of the great gusher, says that the painting is accurate in every detail. She even remembers playing on the front porch of a house belonging to Charlie Ingalls, which was located in the same place as the one shown in the picture.

However, the Lucas gusher will no longer stand "forgotten in a forest of



SPINDLETOP

abandoned derricks." Instead, the Lucas Gusher Association has employed Pierre Bourdelle, New York artist, to carve a 52-ft. monument to be erected on its site.

FLORENCE BRANDT

Beaumont, Tex.

Sirs:

The painting of the great Texas oil gusher by Alexandre Hogue strikes me as being a dismal failure.

The few sections of iron pipe, small timbers from the derrick and the very small machinery shed in ruins to the right of the well seem woefully inadequate for the task of drilling a well 1,000 ft. deep.

BOB BRAUS

Helena, Mont.

Americans and the English

Sirs:

Seldom in one magazine have I seen two more informative articles than those by Margaret Kennedy and William L. Shirer (LIFE, Feb. 10).

One question posed by Miss Kennedy: "Why is it that the Americans, who have been so generous . . . dislike the English?"—I am surprised she could not answer that. She nearly got it when later she said, "And people dislike what they cannot understand."

This thought has been well expressed by the late Frank Harris:

"I found that till I loved a man I could not understand him, could not see him as he saw himself, and so could not depict him fairly. But as soon as I began to like him, I began to make excuses for his faults, and when I grew to care for him really, I saw that he had no need to be excused. Hatred gives nothing but the shadows in the portrait; you can make a likeness with shadows alone; but if you want to reveal a man's soul fully, to make a work of art, you must know the best in the man and use highlights as well, and these you can only get from loving comprehension."

A. C. MORTON,
Managing Director

Montreal Herald
Montreal, Quebec

Sirs:

In many ways the answer to Miss Kennedy's question as to why the Americans dislike the English is implicit in the letter itself. "The English," she says, "can take it."

Perhaps it is the knowledge that the

(continued on p. 4)

PHILCO

BRINGS YOU A

NEW KIND OF REFRIGERATOR



Exclusive, Advanced Design gives you the CONSERVADOR plus separate compartments for DRY Cold, MOIST Cold and FROZEN FOODS



Philco, famous for its leadership in engineering and design, now brings you a new kind of refrigerator for modern kitchen needs . . . giving you new beauty, new inventions, new and better ways to keep your foods wholesome, fresh and delicious.

Philco Advanced Design gives you a giant size, separate Frozen Food Compartment, specially designed for frozen storage . . . no need to remove ice trays; a separate Dry Cold Compartment for foods that are best preserved in circulating dry air; a Moist Cold Compartment cooled by the amazing Philco Cold Shelf where you can keep foods without covers and preserve their natural freshness and flavor. Plus . . . the patented CONSERVADOR, the shelf-lined inner door that gives you 26% more quickly usable space! Yes, the greatest, most beautiful refrigerators ever built . . . and the greatest dollar for dollar values in refrigeration!

Models to Suit Your Needs from \$114⁷⁵ to \$259⁹⁵

Including 5-Year Protection Plan
Prices slightly higher Denver and West; subject to change without notice

Now on Display at Your Philco Dealer . . . See Them Today!

EACH CAN SAY



"I WAS A CLERK"



"I WAS A LINEMAN"



"I WAS A DRAFTSMAN"

THIRTY-SEVEN years ago, in 1904, the president of the American Telephone and Telegraph Company went to work as a clerk in one of the Bell System companies.

About that time, the 18 men who are now the presidents of the Bell telephone companies were starting their careers. For, like the head of the System, they have worked many years

in the business — an average of 38 years each. Each of them can say: "I was a clerk," "I was a lineman," "I was a draftsman" — and so on.

The "know how" is here—for the every-day job of running the telephone business or to serve you in emergency. Up-from-the-ranks management is doubly important these days.

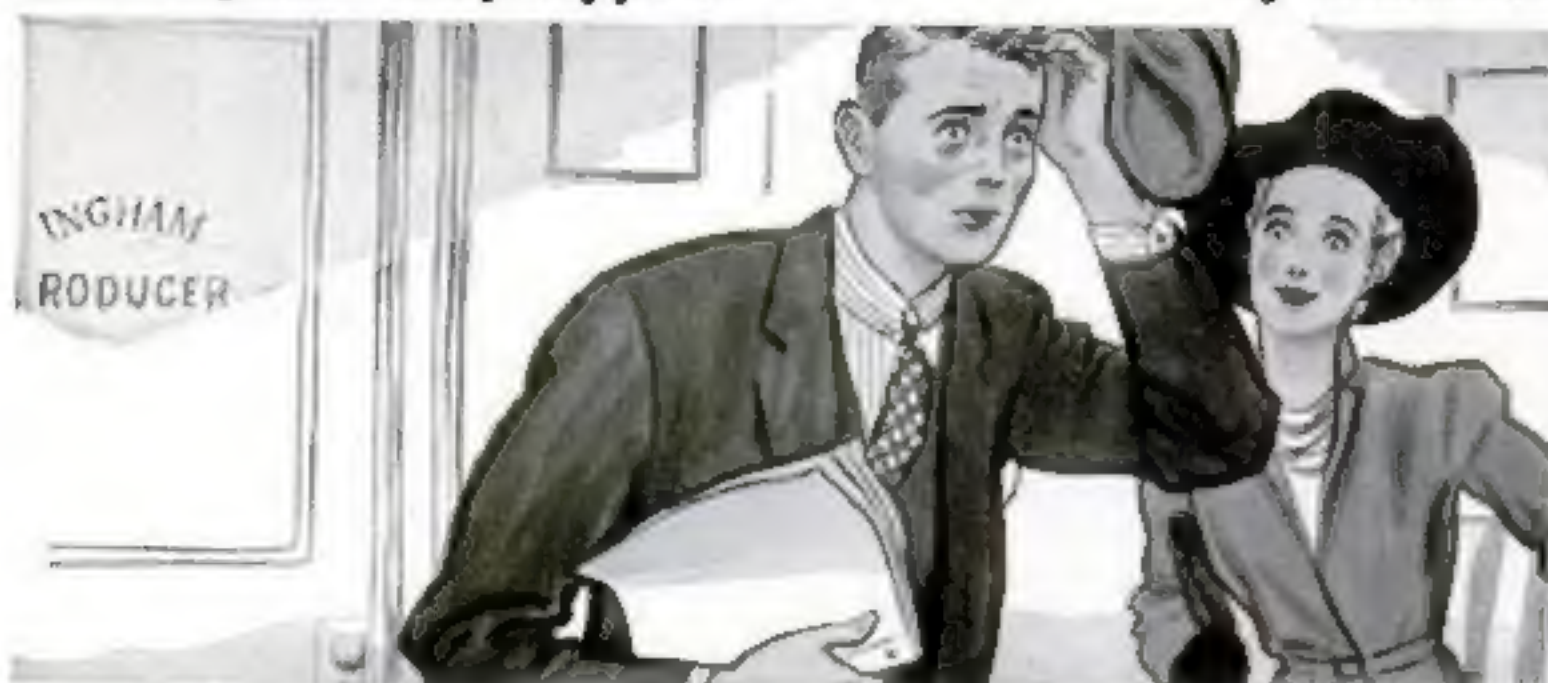


BELL TELEPHONE SYSTEM

THE BELL SYSTEM IS DOING ITS PART IN THE COUNTRY'S PROGRAM OF NATIONAL DEFENSE

How's your "Pep Appeal"?

—by Williamson



Playwright: He says the play hasn't any "whoosh." Now what does *that* mean?



Wife: No "oomph," my crestfallen celebrity. No zip. No pep appeal. And neither has its author! Now maybe you'll listen to me about neglecting your vitamins! You've got to have them all, you know, and we're making a start right now.



Wife: Lesson number one is crisp, delicious KELLOGG'S PEP. It's extra-rich in the two vitamins that are least abundant in ordinary diets—vitamins B₁ and D.

Playwright: Say! Why didn't you tell me PEP tastes so good? You've been holding out on me! Why, it's marvelous!



Playwright: (sometime later) And now, my dear, that I've discovered vitamins and KELLOGG'S PEP, just watch me become the world's "pep appeal" playwright. Why, Shakespeare himself would be green with envy to read the masterpiece I've started here.

Wife: You know what they say: "Where there's pep, there's hope."

Vitamins for pep! Kellogg's Pep for vitamins!

Pep contains per serving: 4/5 to 1/5 the minimum daily need of vitamin B₁, according to age; 1/2 the daily need of vitamin D. For sources of other vitamins, see the Pep package.

MADE BY KELLOGG'S IN BATTLE CREEK

COPYRIGHT, 1941, BY KELLOGG COMPANY

LETTERS TO THE EDITORS

(continued)

English have *always* been able to take it explains some of the suspicion which we Americans feel towards the British. They took most of Africa, India, what they wanted in the Malay Peninsula region, the Suez region, and Gibraltar; they took a good many islands and other acres around the world, if not New Zealand, Australia and Canada.

But it is another kind of taking it which I believe troubles many Americans more. The English have been able to take the slum conditions of London, the sordid sections of the Midlands, and the Welsh mining situations with the same indifference that they now take *himself*.

Having gained control of a great portion of the earth's surface, having become the banking and industrial center of the world, having built the largest merchant marine and the largest navy, they said: "This is the way we like our life ordered, and we shall keep it that way." That very moment decadence began its slow but deadly work. That attitude resulted in a cruel and stupid caste system, in the perpetuation of power among families and groups, of placing power and responsibility in the hands of people who were without experience with power, and it substituted "the thing to do" for logic and a realistic attitude.

We can recall the time when Brüning and Stresemann appealed to Lord Baldwin for help in managing the growing, sinister influences in Germany, and we recall Baldwin's complete indifference to the German fate. We also understand that later England backed the Hitler party to the limit as a bulwark against Communism, rather than spend an equal amount to correct conditions at home which would have made Communism in Britain impossible.

It is this stupidity, this tragic bungling, this inflexibility and inability to move with the world that colors all our thinking about England's plight today.

But Margaret Kennedy and the English need have no worry about the Americans. America will give all aid to Britain, because a mad dog is loose in the world, and because the English are by far the least of the two evils with which we have to contend. A great many Americans will agree with me that we should declare war immediately so as to fight with the British. And when the military war is ended, we must stay in and fight the diplomatic war, so that England's stupidity and British imperialism have no chance to create World War III 20 years from now.

MERLE ARMITAGE

Los Angeles, Calif.

Eggs Not Hatching

Sirs:

In LIFE, Feb. 10, under a picture captioned "Eggs failed to hatch," you say, "The phenomenon is unexplained."

When I was a small girl and lived on a farm in Michigan, it was my duty to gather the eggs each day. And in the spring I was always cautioned not to shake the eggs or handle them roughly, as they would not hatch. Even the jostling of eggs in the nest by a restless hen will cause them to fail to hatch; also severe electrical storms during the early days of incubation will have the same effect. I presume it breaks the delicate membrane surrounding the yolk and thus destroys the embryo.

It seems to me that the earthquakes (17 in all) of Center Ossipee, N. H. were good and sufficient cause for the eggs' failure to hatch.

IDA M. BOLAND

Carbondale, Pa.

Sirs:

We do not believe that the recent earthquakes in New Hampshire were responsible for turkey eggs not hatching.

Our breeding farm is located in the section where the most damage was done by the earthquakes. The 8-in. concrete walls of our 60 x 20-ft. incubator cellar were cracked in four places, several hundred eggs were shaken out of the incubators onto the floor of the incubator

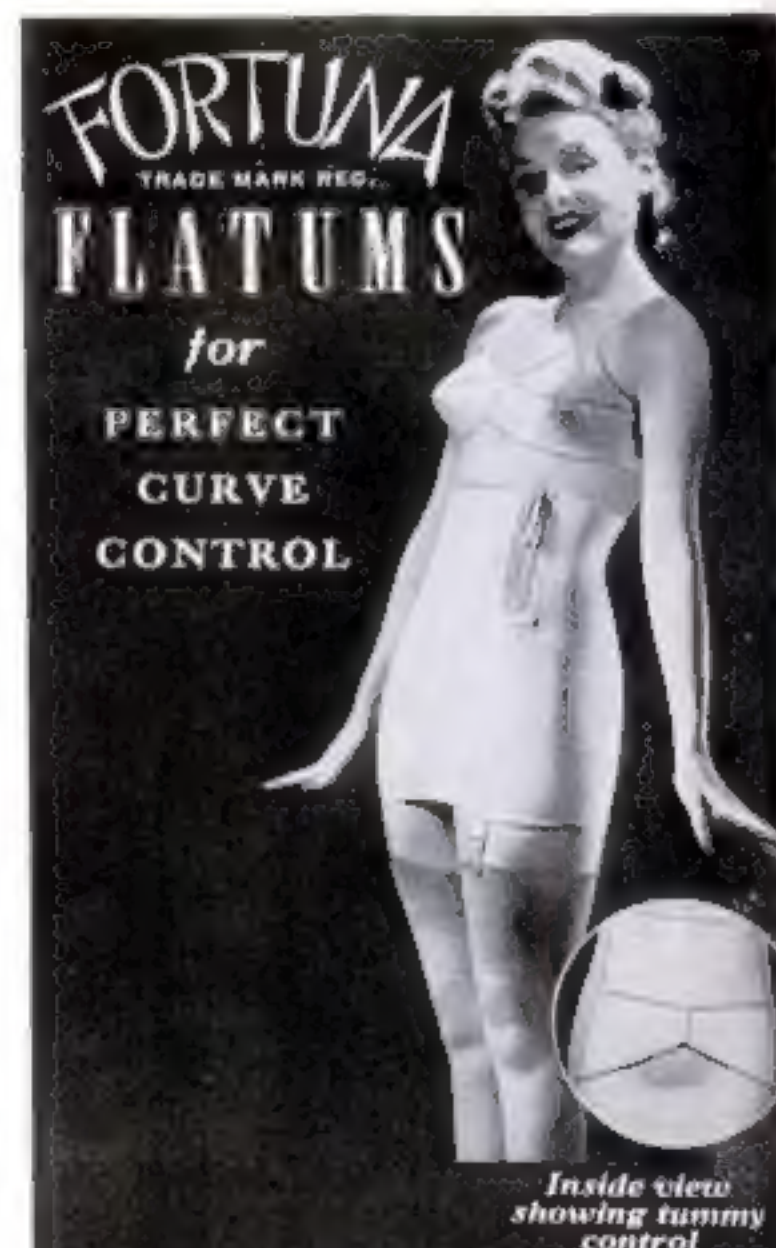
(continued on p. 6)



The "commuter climb"—captivates the crowd, but causes many a stocking run. Cannon helps solve the problem with breathtakingly beautiful hose that lasts and lasts! The secret? All Cannon Hosiery is inspected by a wonderful air-pressure machine that detects invisible flaws—real cause of sudden "mystery" runs!

Cannon brings you only perfect stockings—full-fashioned, flawless, triple-inspected.

Cannon Hosiery made of Silk, in the Cellophane Handy-Pack, 69¢ to \$1.00. Cannon Hosiery made of Nylon, \$1.35 and up. By the makers of Cannon Towels and Sheets.



WEAR a comfortable FORTUNA FLATUMS of two-way stretch elastic. Strips of elastic inside provide extra support. Talon Slide Fastener closing. Washable. Pantie style, too. At leading stores. \$2.00 Modestly priced at only

Model illustrated of elastic, cotton and rayon. Other Fortuna styles from \$1 to \$5. For name of your nearest dealer, Write Dept. L.

WOLFE & LANG, Inc.

35 WEST 32nd STREET • NEW YORK, N. Y.

*You
Want It!...*



*Chevrolet
Has It!*

THIS FAMOUS VACUUM POWER SHIFT AT NO EXTRA COST!

GIVE LOW-PRICED CARS THIS "QUALITY QUIZ" AND YOU'LL CHOOSE CHEVROLET!

	CHEVROLET	NO. 2 CAR	NO. 3 CAR
90-H.P. ENGINE	YES	NO	NO
CONCEALED SAFETY-STEPS	YES	NO	NO
VACUUM-POWER SHIFT <i>AT NO EXTRA COST</i>	YES	NO	NO
BODY BY FISHER <i>WITH UNISTEEL TURRET TOP</i>	YES	NO	NO
UNITIZED KNEE-ACTION	YES	NO	NO
BOX-GIRDER FRAME	YES	NO	NO
ORIGINAL FISHER NO DRAFT VENTILATION	YES	NO	NO
TIPTOE-MATIC CLUTCH	YES	NO	NO

YOU'LL SAY "FIRST BECAUSE IT'S FINEST"

80% Automatic... Only 20% Driver Effort...
Owners call it "The World's Easiest Gearshift!"

You want *real* driving ease . . . and so you want "the world's easiest gearshift" . . . and therefore you want a new 1941 Chevrolet!

Because Chevrolet is the *only* motor car that brings you this famous original Vacuum-Power Shift, at no extra cost!

A touch of a finger, *without even so much as removing your hand from the steering wheel*, and you're in gear—you merely guide the lever, *vacuum shifts the gears*, when you have this amazing power shift.

It's 80% automatic—requires

only 20% driver effort—makes driving extraordinarily easy!

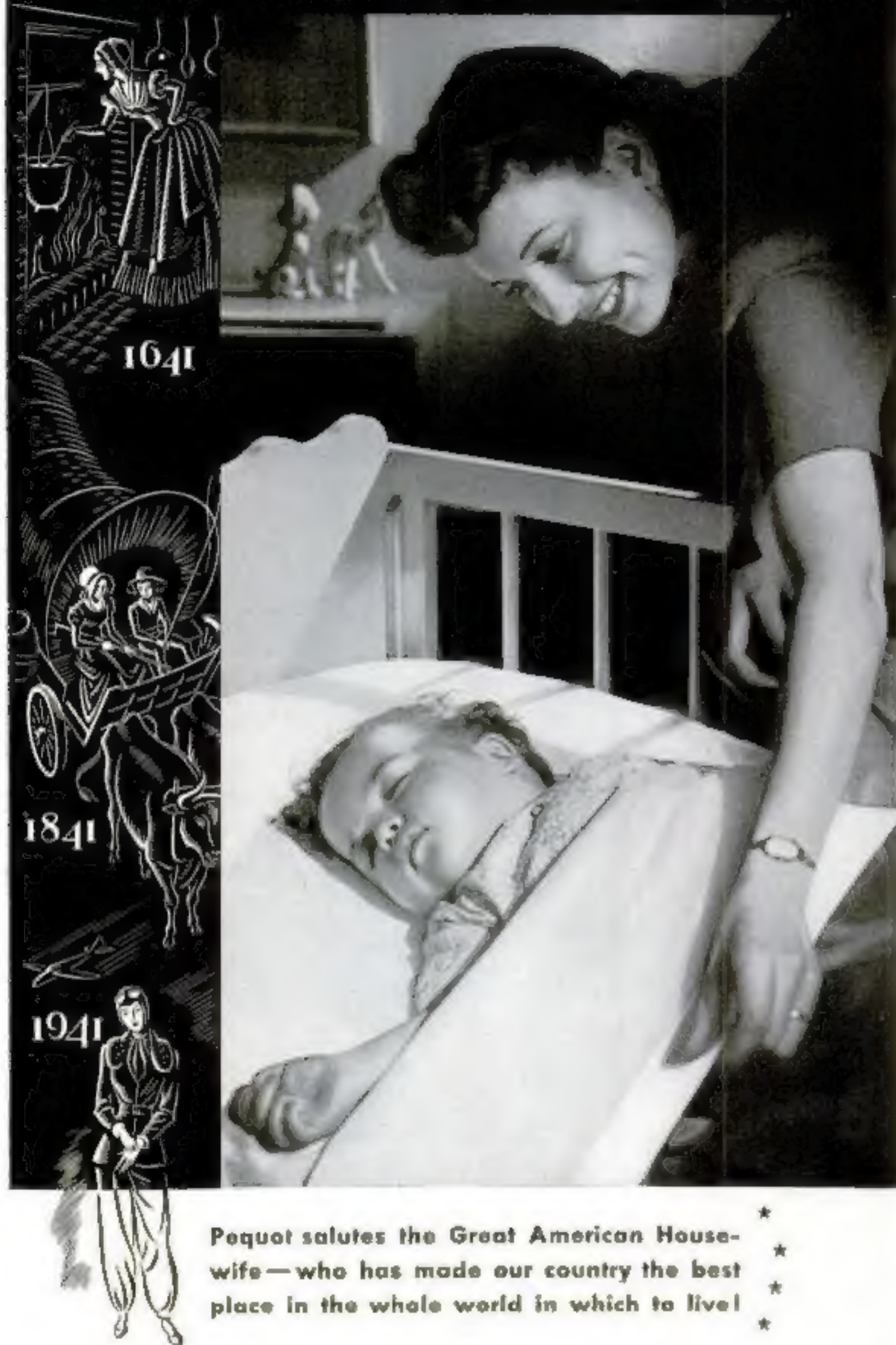
And the beauty of it is, there's nothing experimental about Chevrolet's Vacuum-Power Shift. It has been proved by more than a million drivers. Owner after owner will tell you it is "the world's easiest gearshift!"

Buy a new Chevrolet and you buy the car that out-styles, out-accelerates and out-climbs all other biggest-selling low-priced cars—the value leader—the sales leader—for nine of the last ten years!

CHEVROLET MOTOR DIVISION, General Motors Sales Corporation, DETROIT, MICHIGAN

Again **CHEVROLET'S the LEADER** *EYE IT..TRY IT..BUY IT!*

PEQUOT salutes you... the GREAT AMERICAN HOUSEWIFE



Pequot salutes the Great American Housewife—who has made our country the best place in the whole world in which to live!

It's thanks to you, Mrs. Housewife, that our standard of living is the highest in the world.

You have insisted on higher and higher standards of health and education. You have brought more real comfort and beauty into our homes than people enjoy anywhere else on this earth.

Pequot is very proud and happy to be part of your ideal of the "good life."

In nation-wide polls, you voted Pequot your favorite sheet. You've given many reasons for liking Pequots—their beauty, their superb wear, their lovely whiteness.

We are grateful for your confidence in Pequot. You may like to know that scientific tests have fully confirmed your judgment... proof that your sense of values is as sound as your ideals!

PEQUOT MILLS, SALEM, MASSACHUSETTS

PEQUOT SUPER-SERVICE: Its astonishing wear has made this great sheet the darling of thrifty housewives! The texture is rich, firm. The beauty lasts, the sheet stays sound and crisp, through countless washings.



PEQUOT PERCALES: Luxury sheets, into whose soft, fine silky beauty is woven the quality you rightfully expect from Pequot. How gratifying to buy exquisite sheets—and know they're Pequot quality!

PEQUOT SUPER-SERVICE and PERCALE SHEETS

LETTERS TO THE EDITORS

(continued)

itself, a safe weighing over a ton was tipped off its base, three chimneys were destroyed, clocks and dishes were thrown on the floor and broken and our nerves somewhat shaken, but the earthquake did not keep our eggs from hatching. We had over 7,000 eggs in our incubators and 82% of these eggs hatched into lively chicks.

PINE TOP POULTRY
FARMS, INC.

Tamworth, N. H.

● In spite of the positiveness of both Reader Boland and the Pine Top Poultry Farms, Inc., the issue remains confused. The fact is that the eggs *LIFE* examined did not hatch. Whether it was because of the earthquake or not, science does not know. —ED.

Yenching University

Sirs:

Congratulations on the excellent colored pictures of Yenching University in your Feb. 10 issue. My four years of undergraduate days were relived again at my bedside yesterday night. I was one of the fellows in that demonstration (p. 50), and in that graduate scene, too (p. 51). Sitting in the front row at the extreme left aboard the S. S. *President Hoover* is my professor, Dr. Y. M. Hsieh, a physicist who had the good fortune of studying under three Nobel prizewinners: Professors Millikan, Compton and Michelson. The last time I saw him, however, was in an air-raid shelter in Changsha, Hunan, China. That bell in the beautiful pavilion (p. 54) "chimes" the hours every 30 minutes, according to the marine system, ever since the University moved to its new campus. It is not done automatically, but by a patient and faithful old man who lives within half an hour's walk of the pavilion.

YU-YUEH MAO

Harvard University
Cambridge, Mass.

Sirs:

In your article on Yenching you say it is the only surviving women's college of China. Ginling College is still functioning on its new wartime campus at Chengtu, Szechuan. We Smith alumnae have done much to insure its survival and shall continue to do so.

DORA MOSKOWITZ

Brooklyn, N. Y.

● *LIFE* said that Yenching is the only surviving women's college in North China. Ginling College, while deserving of all credit for surviving the war, is now located in West China. —ED.

Hex Party

Sirs:

Your Hex Party (*LIFE*, Feb. 10) was very interesting. If those are respectable residents of Washington, D.C., I think it would be advisable to move the capital.

Or was it just the rum?

WILLIAM FREDERICK

State College, Pa.

Sirs:

I've read your *LIFE* e'er since its birth, Gone on your parties, enjoyed their mirth, But this week, sirs, I must say "Nix!" With sorcerer's hex I cannot mix.

Like most Americans I have a whim To tear Herr Hitler limb from limb... But magic, tom-toms, chants and dirge Fail to satisfy this urge.

So, sirs, make your parties gayer Invite not to them Adolf's slayer... Then, so carefree, I'll attend them While our Army does the mayhem.

CARLYLE H. JONES

Jackson Heights, N. Y.

(continued on p. 8)

Born in MARCH?

First! The bloodstone is one of your birthstones. It stands for wisdom, protects you from deception. You're wise in hoping for a Hamilton this birthday. It's the watch that doesn't deceive you—it's the watch of railroad accuracy.

Hamilton's experience building watches for railroad men insures greatest possible accuracy in every size and grade that Hamilton makes. See the new models at your jeweler.

P. S.—For FREE booklets of interesting facts about your birth month, write the Hamilton Watch Company, 132 Columbia Ave., Lancaster, Penna.

VIVIAN, (left) 17 jewels, 14K coral and white gold, Roman numeral dial, \$75

EMERSON, (right) 17 jewels, 10K natural gold-filled, 18K applied gold numeral dial only, \$45

MADE IN U. S. A.

HAMILTON

The Watch of Railroad Accuracy



THE TIE WITH THE SNAP

FOLOWEVE

Woven foulard designs in an exclusive ESCORT fabric. The softest, most beautiful silk in men's neckwear. Made in ESCORT'S patented...

TRU-FOLD CONSTRUCTION



Note how tie unsnaps for pressing at home... extra folds make ESCORT CRAVATS tie easier... drape better.

\$1.

Escort CRAVATS

At men's stores everywhere
Manufactured and Distributed by
THE METCALF NECKWEAR CO. • Cleveland, Ohio



SAVED: 75,000 BABIES

IN THIS COUNTRY, over 75,000 babies will live this year—who would have died at less than one year of age had they been born twenty years ago!

How has this thrilling achievement been accomplished?

Chiefly by the advance of medical science in its war against germs. We cannot see these deadly enemies of mankind; but they are everywhere. And infants are particularly vulnerable to their attack.

Against this ever-present danger, hospitals take truly extraordinary measures.

For instance, in modern hospitals, no one is admitted to the baby nursery except certain specially assigned nurses. Not even doctors are allowed inside; they examine babies in a separate room. Every article that touches the baby's skin is sterilized—shirts, sheets, blankets, *everything*.

And in most hospitals the baby is given a complete anointing of the skin at least once a day with antiseptic oil. Babies need this protection because the tiniest invisible crack in the infant's skin is big enough to permit the entry of still tinier, invisible germs.

If you return home from the hospital with a baby of your own—remember that the precautions observed in hospitals have saved countless baby lives. For the sake of your baby, continue those precautions at home.

Remember, too, that nothing takes the place of visits to your physician. Take your baby to him regularly.

In most hospitals, babies are anointed with Mennen Antiseptic Oil, every day, from top to toe—to help keep their skins healthier and safer from germs.

These hospitals, and tens of thousands of doctors, tell mothers to continue this *daily* oiling with Mennen Antiseptic Oil at home—*right thru the first year*—and to use the oil at every diaper change, too, to help prevent diaper rash and excoriated buttocks.

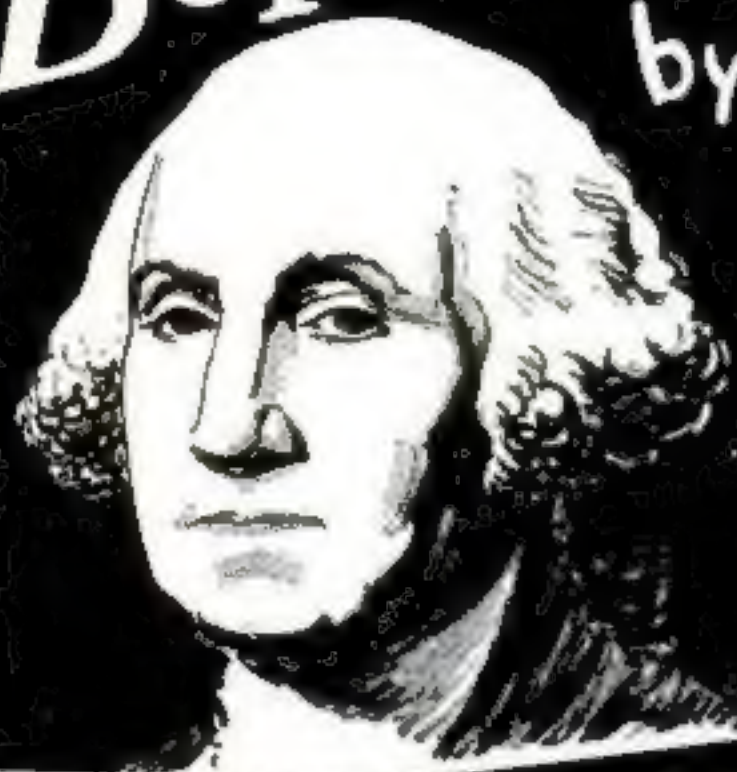
Baby powder, like baby oil, should also be antiseptic. That is the opinion expressed by three out of four doctors in a recent nation-wide survey. So, mother, when you choose a baby powder, choose Mennen Antiseptic Powder. Made by a new process—hammerized—it is "smooth as air." And, most important, it is *antiseptic*.



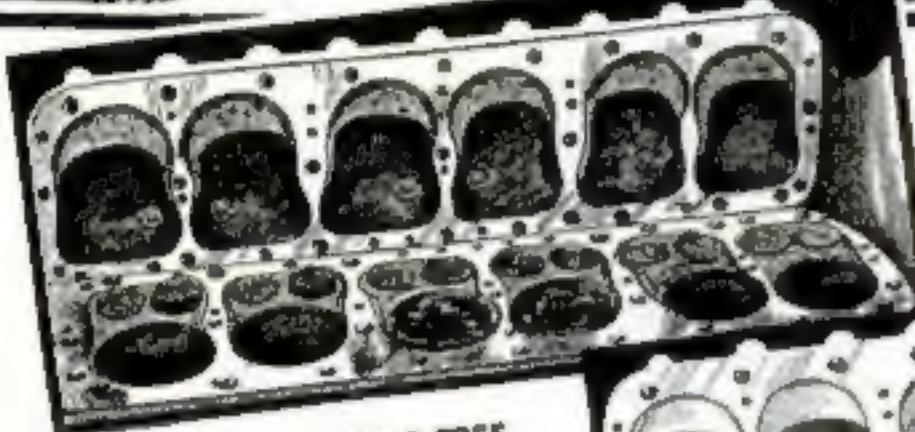
Pharmaceutical Division
THE MENNEN COMPANY
Newark, N. J.—Toronto, Ont.

Believe It or Not!

by RIPLEY

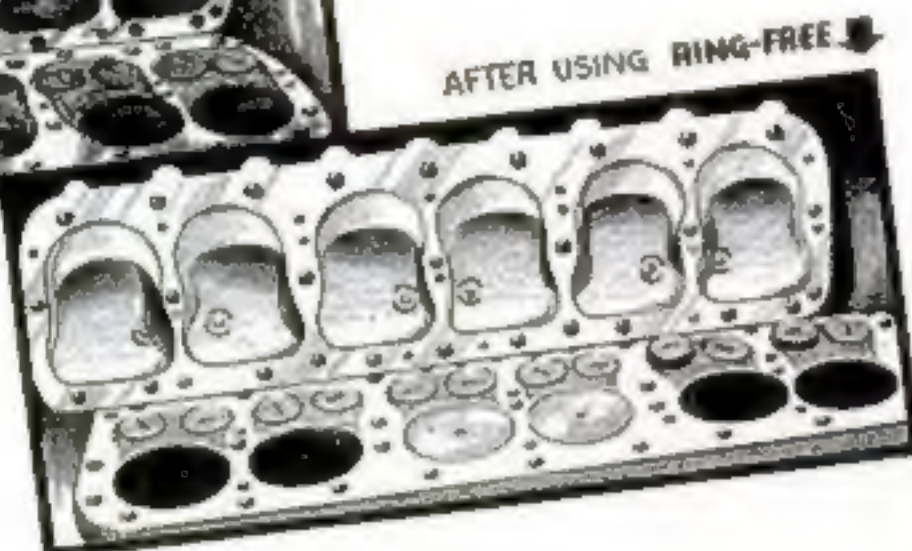


GEORGE WASHINGTON
 WAS THE FIRST OIL PROSPECTOR
 IN THE UNITED STATES
 IN 1753 HE ACQUIRED OIL LANDS,
 LATER LISTED IN HIS WILL AS HIS
 "MOST VALUABLE LANDHOLDINGS"



↑ BEFORE USING RING-FREE

(ENGINE HEAD DRAWN FROM
 ACTUAL PHOTOGRAPHS)



AFTER USING RING-FREE ↓

SHOWING
 HOW

MACMILLAN RING-FREE MOTOR OIL
REMOVES CARBON AND
CLEANS THE MOTOR
 AS IT DOES ITS REAL JOB OF LUBRICATION!



THE MOST
CROOKED ROAD
 IN THE UNITED STATES
 7 MILES LONG - BUILT IN AN AREA OF
1½ SQUARE MILES!

(COLORADO SPRINGS TO CHEYENNE MOUNTAIN)

LOOK FOR THIS SIGN

AT INDEPENDENT SERVICE STATIONS,
 GARAGES, CAR DEALERS. GET THE MOTOR OIL
 THAT **THOROUGHLY LUBRICATES—**
 THAT FIGHTS FRICTION FAST—
 THAT GIVES YOU A DIFFERENT
 "FEEL" AT THE WHEEL RIGHT
 AFTER THE FIRST FILL!



35¢

*The Thrifty
 Lubricant*

**MACMILLAN PETROLEUM
 CORPORATION**

30 WEST 50TH STREET, NEW YORK • 424 SOUTH MICHIGAN
 AVENUE, CHICAGO • 330 WEST 8TH STREET, LOS ANGELES

**MACMILLAN
 RING-FREE
 MOTOR OIL**

Copyright 1941 by
 Macmillan Petroleum Corporation

LETTERS TO THE EDITORS

(continued)

Sirs:

In reading your article on voodoo, I am wondering if the Black Magicians forgot one very important element in their endeavor to put the hex on Hitler.

If something from the cursed one's person isn't on the image, the rite is impotent. It may be a lock of hair, a fingernail or a bit of clothing, but a portion of the person must be on the effigy if the curse is to be a success.

If this practice is repeated, it will positively work if this important factor is obtained.

DUANE L. MORTON

Fort Custer, Mich.

• Can readers suggest how to obtain this important voodoo factor? —ED.

Field Artillery

Sirs:

Your article on field artillery (LIFE, Feb. 10), is extremely well written and is worthy of our highest compliments.

One term we think should be corrected is the reference to angles as degrees. The degree is not used in field artillery for the main reason that it is too large a unit and second it is not tied in with range and horizontal distance.

The angular measurement for all field artillery computation is based on the mil. A mil is the angle subtended by 1 yd. normal to your vision at a distance of the 1,000 yd. range; there are 6,400 mils to a circle so that 1 degree is equivalent to 17.77 mils.

The above examples show why a degree is useless to a field artilleryman because it is not tied in with distance, whereas the mil considers distance and an angular measurement.

F. W. KIRKPATRICK

San Francisco, Calif.

• LIFE has always been fully aware of the mil. However, in an article as technical as "How to Fire a 75-mm. Gun," it seemed advisable not to confuse LIFE's non-technical readers any more than absolutely necessary. —ED.

Sirs:

As an ex-artilleryman, I enjoyed your presentation of how to fire a 75-mm. field gun. But I am puzzled by the diagram and remarks concerning three kinds of bursts. I am familiar with the time and impact bursts but cannot understand how a ricochet burst can be accomplished since every projectile is equipped with a delicate impact firing mechanism. What prevents an intended ricochet burst from exploding at point of contact with the earth?

EDWIN N. DAWSON

Incline, Calif.

• A ricochet burst is obtained not by the new type impact-&-time fuse, which LIFE showed, but usually by a delayed-action fuse. Impact with the ground sets the fuse off and the fuse, in turn, sets the shell off. The delay, however, between these actions is enough for the shell to bounce into the air.—ED.

Match Tricks

Sirs:

Your illustrated match tricks (LIFE, Feb. 10) were noted with interest. Reason: in 1936, when a student at the University of Chicago, I wrote a book called *Match-It*.

Latest match gag: Five matches are placed on the table. Problem is how to make a "Nazi cross" without breaking the matches. Solution: stick four matches in his ear and light them with the fifth.

MARTIN GARDNER

Chicago, Ill.

DEPEND

ON JERIS... KEEP
 YOUR HAIR FREE FROM
 LOOSE DANDRUFF



with this common-
 sense hair tonic

JERIS

ANTISEPTIC HAIR TONIC

At All Drug Stores and Barber Shops



MISTER!
 WOMEN KNOW THAT
 MEN NEED A
 DEODORANT!



You'll like Sno-Mist! Gives lasting protection against unpleasant under-arm odor! Retards perspiration. Harmless to clothing.

SPRAYS ON—Split-second convenience—no mess or waste! Economical.

STAYS ON—Thoughtful people want "protection-against-offending" that Sno-Mist assures. Also, is effective and refreshing for perspiring feet.

At drug and department stores 59¢. Try it now.

SNO-MIST
 ANTISEPTIC DEODORANT

Tested and approved by Good Housekeeping Bureau
 • Sprays on as a Powder—Stays on as a Cream •

CROSS THE CLUTCH RIGHT OUT OF THE PICTURE!



NO CLUTCH to remember, no clutch to forget, no clutch to press in the car at all! That's where Oldsmobile's sensational Hydra-Matic Drive differs from all other types of drives and transmissions.

With Hydra-Matic Drive, the clutch pedal is gone because no clutch pedal is needed *ever*—at any time. The gears shift *entirely* through 11 different wheel speeds from a standing start through last second in third and cruising ranges, *you pass no clutch and shift no gears by hand*. Driving is simpler, easier, safer. All you have to do is step on it, steer and stop—and you can keep both hands on the wheel whatever the driving conditions.

If you haven't tried Hydra-Matic Drive—if you haven't experienced the ease and simplicity of completely automatic shifting—go to your Oldsmobile dealer's and take a trial drive today. From the first moment on, you'll *never* want to push a clutch again!



ONLY HYDRA-MATIC DRIVE ★
ELIMINATES THE CLUTCH PEDAL
... AND GIVES FULLY
AUTOMATIC SHIFTING!

THRILLING NEW KIND OF PERFORMANCE!

When first you try Oldsmobile's Hydra-Matic Drive, note the quicker getaway, livelier response and smoother all-round performance that you get. Hydra-Matic is the *only* drive that gives you full accelerating power *without* manual shifting of gears!

PRICED JUST ABOVE THE LOWEST!

If you've been thinking of buying a lowest-priced car, chances are you've been considering a *de luxe* model. Compare that car with the big, luxurious Olds Special. You'd find but *little* difference in price, but a great *big* difference in car, for lag and lurching and fine as it is, Oldsmobile is priced well within the budget of buyers of lowest-priced cars. Your Olds Dealer will gladly help you make your comparison.

★OPTIONAL AT EXTRA COST



Oldsmobile Dynamic Cruiser 4-Door Sedan, Available as Either a Six or an Eight

THE CAR
Ahead!



OLDSMOBILE

STYLED TO LEAD
BUILT TO LAST

Announcing the Celebrating 70 Years of



A FEW OF THE B. F. GOODRICH FIRSTS THAT HAVE SAVED MILLIONS FOR AMERICAN MOTORISTS

FIRST automobile offered to American public equipped with Goodrich tires

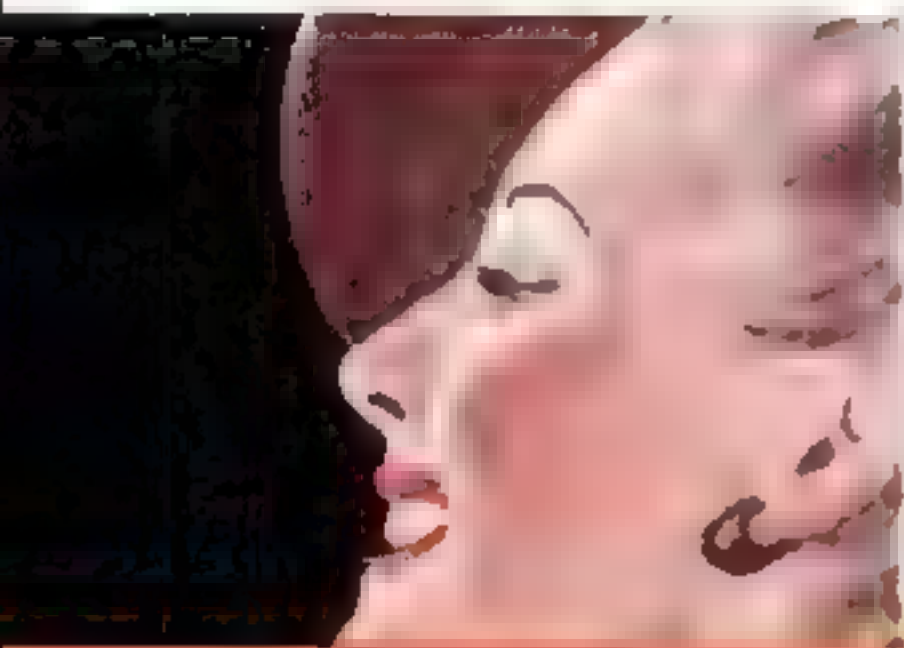
FIRST in America to build cord tires for automobiles

FIRST to develop a black tread for longer mileage

FIRST to lower tire costs with "accelerated curing"

FIRST to offer American public tires made with synthetic rubber

Goodrich Jubilee Being First in Rubber!



Today B.F. Goodrich reveals another first—this time it's Duramin, the amazing discovery that adds thousands of miles to tire life. You get it in all the new Silvertowns for 1941.

Here they are! *Special Jubilee Release!*
BRAND NEW SILVERTOWNS



LIFE-SAVER *Silvertown*

Duramin-made throughout. Last year it was called "The Safest Thing on Wheels." This year it's still safer. No tire can stop you quicker. No tire can keep you safer from skids. And for every four miles that the original Life-Saver Tread Silvertown gave you... this new tire gives you five.

DE LUXE *Silvertown*

Thousands of American motorists helped us design this new Silvertown. It's truly "tomorrow's tire today"—for it offers the best possible combination of mileage, safety, comfort and quiet running. Its Duramin-toughened rubber fights wear, its new-type tread smothers road noise to a whisper.

SAFETY *Silvertown*

This is the "popular-price" Silvertown, with greater carcass strength than ever before. Duramin in the tread fights road wear, builds mileage. Top-quality Hi-Flex cords and Safety-welded plies make it the best tire buy in its price class. And it costs less than any Silvertown for years.

LOW CASH PRICES—NEW LIBERAL TRADE-IN ALLOWANCES

The jubilee is on! We're celebrating the fact that Goodrich, for years, has written the headlines for America's tire news.

"EXTRA MILEAGE SUITS ME FINE"

Yes, we're celebrating, but *you* get the presents...in the NEW Silvertowns. Extra mileage. Extra skid protection. Extra blow-out safety. The very things that American motorists told us they wanted most in tires.

Look at the NEW Silvertowns shown here. They're three of the toughest-wearing, safest-riding, smoothest-rolling tires that ever hit the highways. And every one of them is packed with news.

The big story is Duramin. That's the name Goodrich scientists have given to a combination of chemicals that resist age in tires. Duramin is called the "tire vitamin" because it does much the same thing for tires that vitamins do for you. It puts fight and life into the rubber, and keeps it there, by waging war on rubber's great enemy, oxygen.

"I'M GLAD OF EXTRA BLOW-OUT PROTECTION"

In the tread of the NEW Silvertowns, Duramin resists the grinding of the roughest roads. In the tire body it fights friction,

cuts heat. In the sidewalls it works against sun-checking and cracking.

Naturally, rubber that stays young and alive gives you more miles, more protection against blow-outs, more safety from skids, more riding comfort. But we haven't stopped there in our drive to make these NEW Silvertowns the best tires on the road.

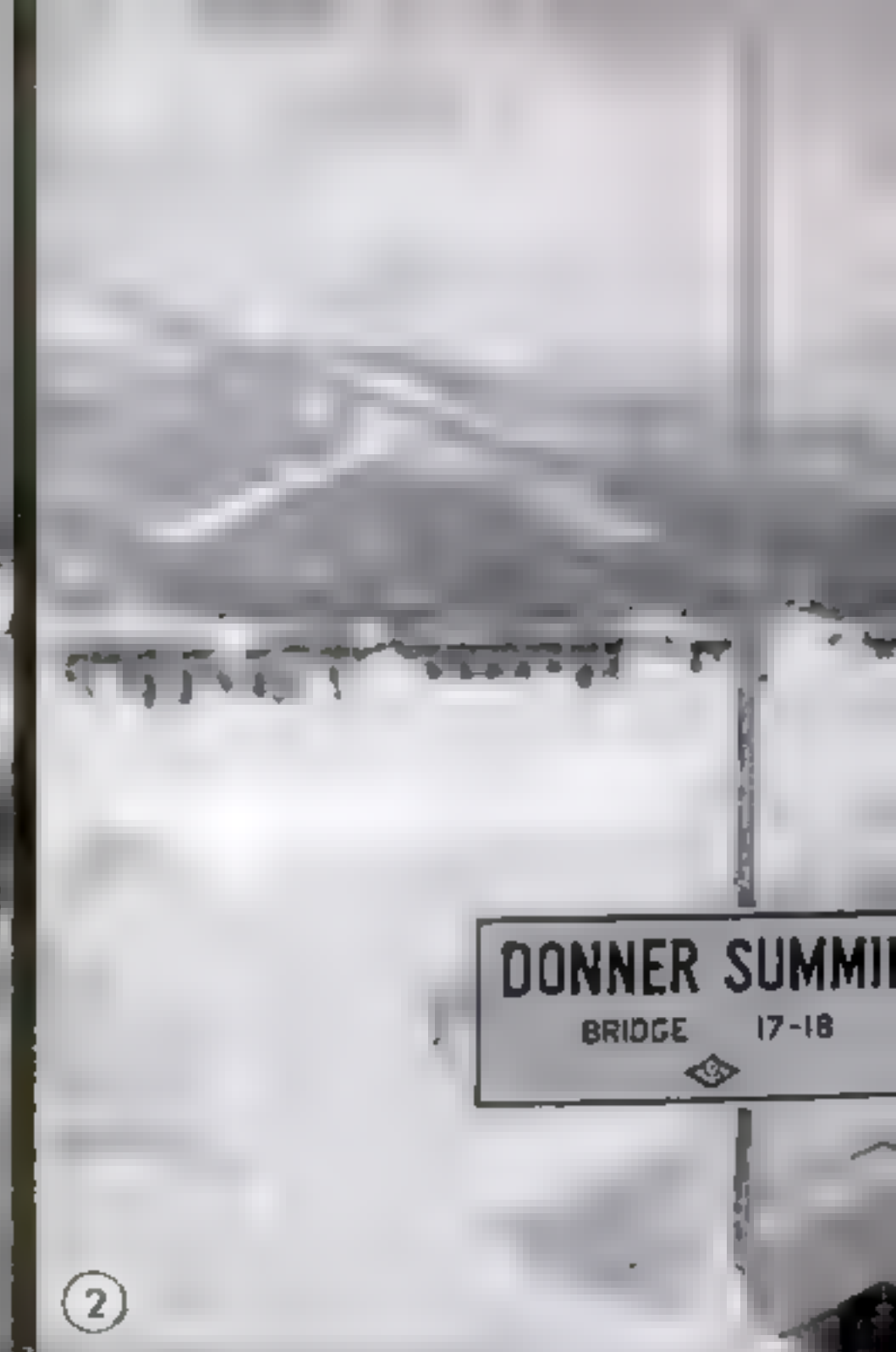
We've taken the famous Silvertown blow-out protection pioneered by the Golden Ply—and put it into *every* ply. To do this we spent thousands of extra dollars for top-quality Hi-Flex cords—and perfected the balanced Safety-Weld method. This new Goodrich method makes "Silvertown protection" mean more than ever before.

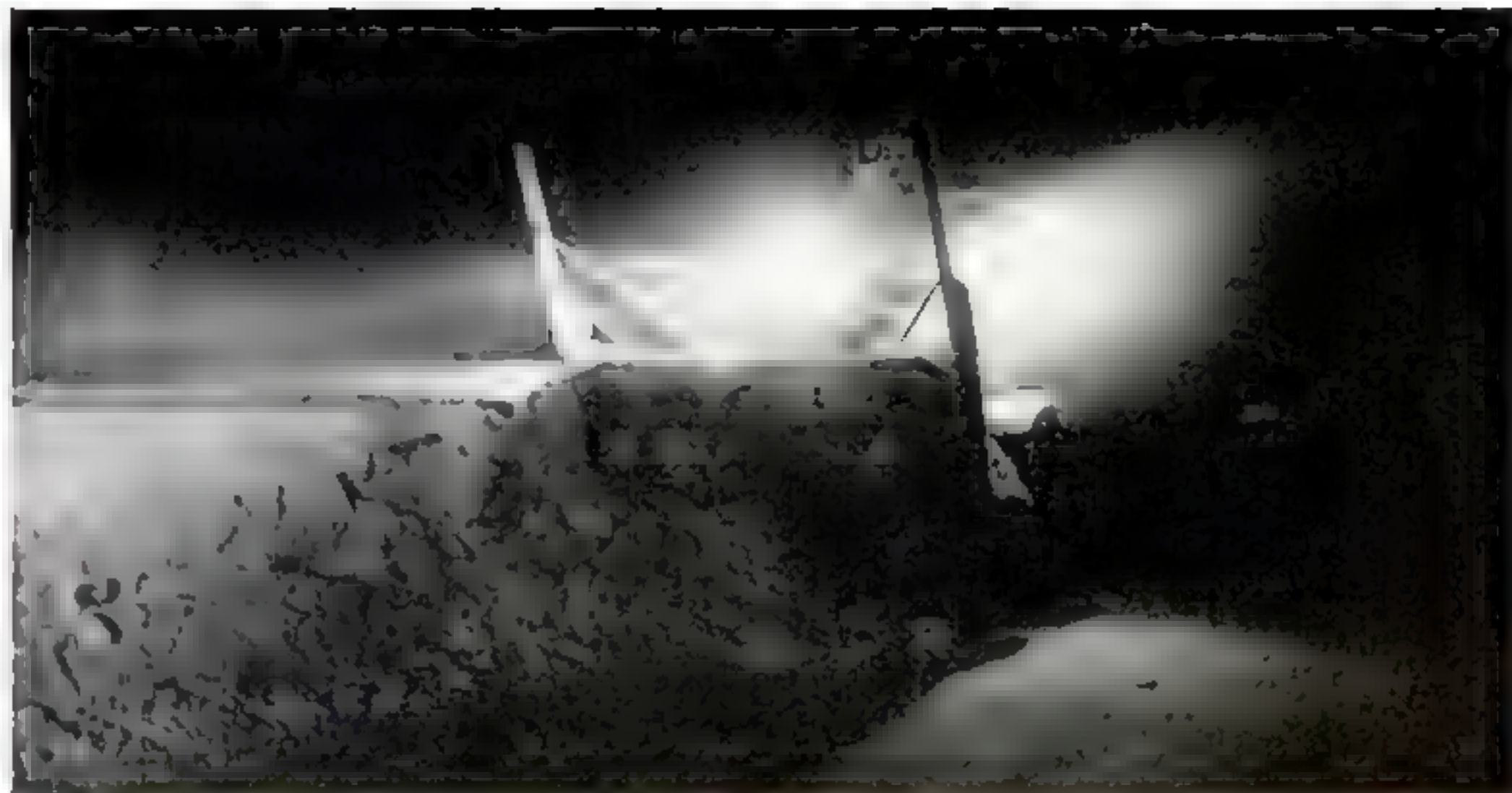
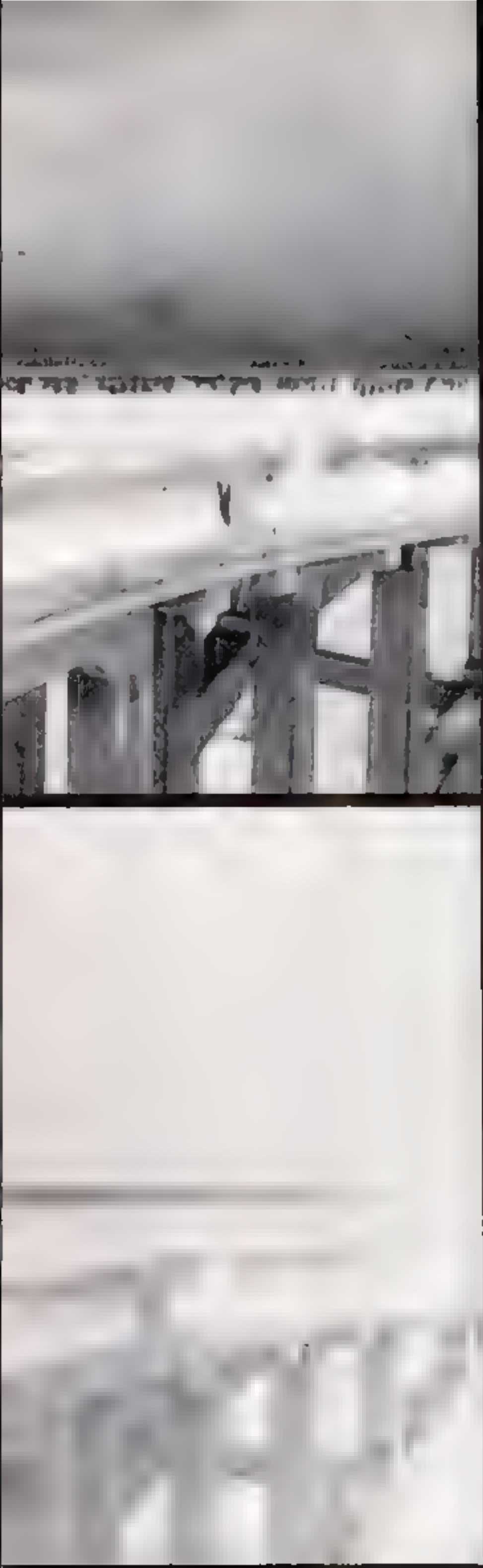
"IT'S GREAT TO FEEL EXTRA SAFE FROM SKIDS"

Please give these new beauties one more look. Then go to a store where you can get your fingers on them and really *feel* them! Better still, ask for a Silvertown ride—America's top combination of safety and comfort.

You'll feel safer, ride easier when you "Switch to Goodrich." Take advantage of today's low cash prices. Or, if you prefer, ask about the easy Budget Plan. All Goodrich Silvertown Stores, and many Goodrich Dealers, offer it.

B.F. Goodrich Silvertowns





Today the snow plows work night and day through big blizzards to keep the Donner Pass clear. They never stop until

the snow stops, lest the drifts pile immovably up. Fuel, food and relief drivers are brought out to the snow plows by truck.

SPEAKING OF PICTURES

... A BLIZZARD SWEEPS DONNER PASS

Donner Pass is a gap 7,135 ft. up in the Sierras, just over the California line from Nevada. Through it passes the main route—U. S. 40—from Salt Lake City to San Francisco. From October to April the snows that blow through Donner Pass whistle in on the back of 50-m.p.h. blizzards.

In 1846, the snow blew on a frightened band of covered-wagon emigrants led by George Donner. Unwisely the Donner party had taken a little-used route out of Wyoming, had been painfully delayed. In October they were just beginning the trek through the pass when the Sierra snows caught them.

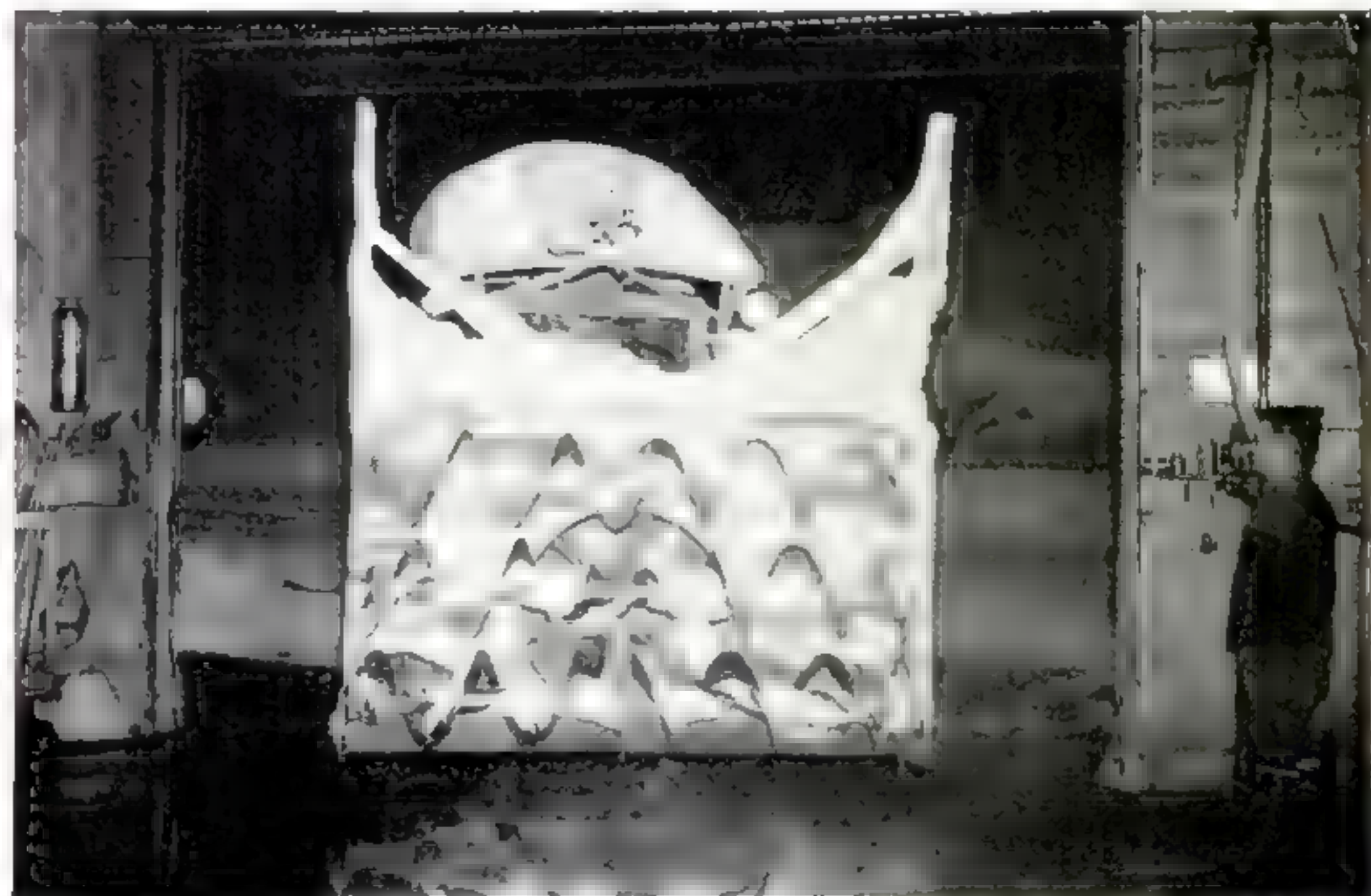
The snow must have looked the same then as it did, not long ago, to the camera of Photographer Charles Steinheimer who on a winter's day stood in Donner Pass, pointed his camera southeast and took the pictures here numbered 1 to 6. As he stood there, the blizzard blew over the hills, over the lake, into the Pass until

the whole valley was lost behind a whirling white wall.

The Donner party was trapped. Short of food, it camped at the far end of the lake shown in picture No. 1. There were 81 people, infant and aged. Fifteen of them set out to cross the mountains and bring back help. Foundering through the drifts, they ran out of food. Then one of the party fell dead in the snow. Horribly but inevitably, some of the starved party turned cannibal. They stripped the body of its flesh and ate it.

Seven of the 15 got through alive. Rescue parties went back to the Donner camp. There, too, the gruesome practice of cannibalism had been resorted to. In all, 96 of the Donner party died. Some of them—no one knew how many—had been eaten by their comrades.

Today snow plows keep Donner Pass clear through the winter. On the shores of Donner Lake is a bronze monument to the party. But the monument mentions none of the horror. The real reminder of it is the snow.



The snow plow comes home after storm with its face frozen into a strange expression. Snow and ice encrust the rotary

blades. Snow piles like a marshmallow on the roof. Cab doors are frozen so tight they have to be freed with boiling water.



"She has no more privacy than us with that creepy slide fastener!"

"You'd THINK she'd get tired—yanking that slippery slide fastener into place every two minutes."

"What's the matter? No lock?"

"Well-I-I, maybe. But certainly not that

exclusive new 'Talon' self-lock I've heard about."

"Can't it slip open?"

"Nope. It holds the fastener right in place every minute. Works automatically, too.

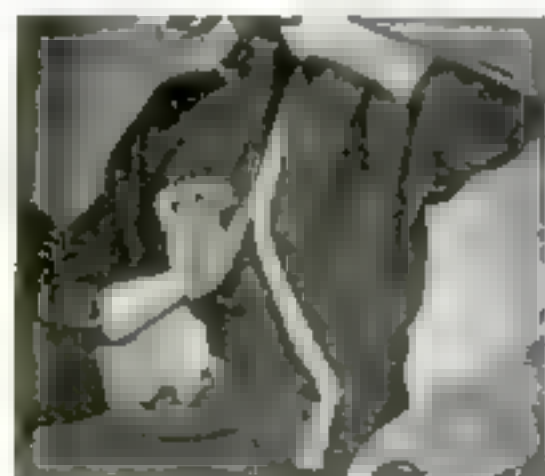
You just let go—and it's locked."

"How could she get it?"

"Easy. Next time she buys a suit or skirt—she asks for the Talon self-locking fastener. Any poor fish knows that!"



JUST THINK what the automatic self lock means to the slide fastener on down-the-front closings in dresses and housecoats. Then remember there's only *one* way to get it. Insist on the Talon slide fastener!



FOR, though there are 22 brands of slide fasteners on the market, only the Talon slide fastener has this latest, greatest improvement . . . the automatic self-lock.



GOOD REASON WHY women today prefer "Talon" by a majority of 70 to 1 over any other brand *... why it's important always to look for the trademark "Talon." Also—look for the Talon fastener Instruction Tag on dresses and skirts. It carries important information.

"TALON"
REG. U. S. PAT. OFF.
the dependable
slide fastener

TALON, INC. • MEADVILLE, PENNSYLVANIA

*Based on the thousands who expressed a preference in surveys by 56 leading stores

SPEAKING OF PICTURES

(continued)



Snow overhangs the road where the plow has cut in. Snow piles 10 feet high get so dangerously high that they often bury cars in Denver Pass and through 20-ft. high walls of snow. Kootenai Pass clear in winter is one of the best roads in the West.



Snowed-in signs are dug out. Poles placed along road mark edge even through deepest drifts. Below: skiers rescue their auto. They located car by taking soundings with poles through snow. Behind them runs top of snowshed covering the railroad tracks.



She took a course in Charm

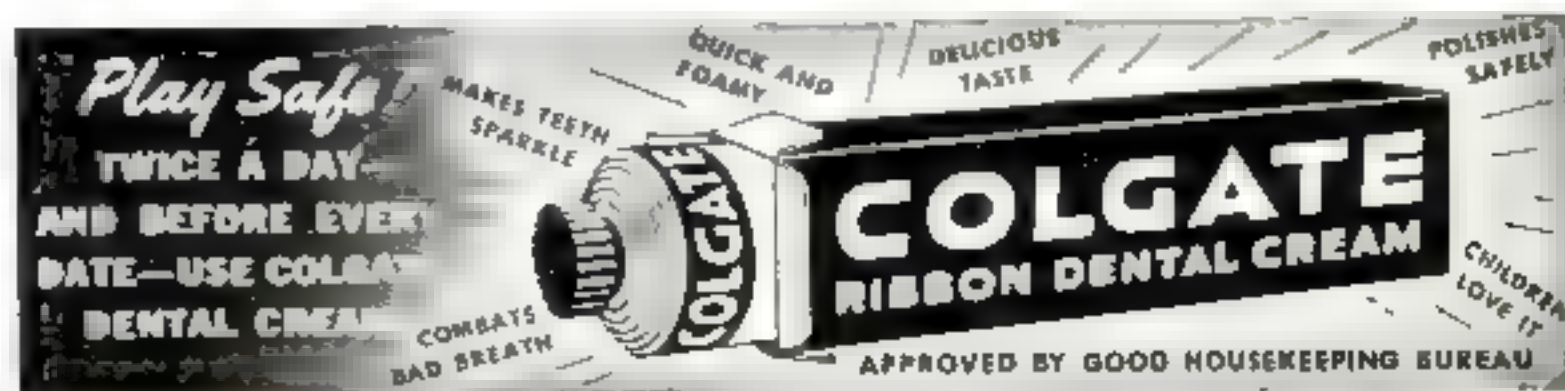
But forgot about her breath!

Of course you think that YOU are different—but how can you be so sure? Just read what dentists say about bad breath!



"Tests show that 8 out of 10 people have bad breath. That's why dentists recommend Colgate Dental Cream. For Colgate's active penetrating foam gets into the hidden crevices between your teeth... helps clean out decaying food particles and stop the stagnant saliva odors that cause much bad breath."

Doesn't Colgate's penetrating foam make your mouth feel clean and refreshed? Aren't your teeth brighter, more sparkling? Such a grand tangy flavor, too! What a pleasant way to combat bad breath!



He wouldn't say "Yes"...
and he wouldn't say "No"!



1ST DAY. "Physicians get tired, too. So I'll agree to drink Knox Gelatine in a 28-day test. Can it reduce fatigue for me?"



14TH DAY. "Am I less tired? There's not enough difference yet. Still, many routines only start to be effective after 2 weeks."



LATER. "The 28 days are over! I must say I'm less tired. Knox seems, actually, to have reduced fatigue for me!"



NOW. "I've often prescribed Knox as 'nourishment' after illness. Now I'm impressed with Knox as a fatigue-fighting food."

The conversation above is, in substance, the report of more than half of 12 physicians* who volunteered to drink Knox for 28 days. 9 completed the test. 7 of the 9 were definitely impressed with Knox as a fatigue-fighter.

25 other groups of men and women were tested. 2 out of 3 who started and 9 out of 10 who completed the Knox 28-day test said they were definitely less tired. The same Knox Gelatine famous for over 50 years for salads and desserts was used in these tests.

TRY THIS YOURSELF...AT LEAST 2 WEEKS

1. Drink 4 envelopes of Knox Gelatine every day for 2 weeks. Then drop to 2 a day. After 28 days, drink as needed.
2. To prepare, pour 1 envelope (1/4 pkg.) Knox Gelatine into 3/4 glass water or fruit juice, not iced. Let liquid absorb gelatine. Stir. Drink immediately. If it thickens, stir again. The gelatine is tasteless.

BUY BE SURE it's plain, unflavored Knox. Knox is all body-building protein. Ready-flavored gelatine dessert powders are 2/3 sugar, 1/3 protein. Buy from your grocer in 4-envelope or economical 32-envelope package.

KNOX GELATINE
A PROTEIN FOOD THAT FIGHTS FATIGUE

FREE BULLETIN on how you may try reducing tiredness. Write Knox Gelatine, Dept. 71, Johnstown, N. Y.



*The physicians who took the Knox Gelatine test prefer to remain anonymous. Photographs by professional model.

LIFE'S REPORTS

THE WAR FROM CAPE TOWN TO CAIRO

by JOHN S. MARTIN

Fastest way to go from New York to Egypt today is by way of Brazil, South Africa and Cape-to-Cairo airline. John S. Martin, longtime TIME editor who has just made this trip for LIFE and TIME, reports on Africa at war.

Cairo, Feb. 15, 1941—by cable I have now completed a gigantic loop to reach the Middle East war theater. From New York to Miami, to Barranquilla, to Belém, to Rio, to Cape Town, to Johannesburg, to Durban, to Mozambique, to Kisumu on the northeast corner of Lake Victoria, to Khartoum, and finally, past the Sphinx and the Pyramids to Cairo is one long way around Robin Hood's barn.

In Cape Town I first met the actual presence of war. The harbor has regained its historic position as a halfway station on Britain's lifeline route, now that traffic is diverted from Suez. The roadstead contained freighters of nearly every non-Axis flag, lying under the magnificent, cloud-hung backdrop of Table Mountain.

South Africa combines the scenery, geology and vegetation of California and Ireland. It is a duplicate of San Francisco or Monterey. The people are healthy, outdoor extroverts. Irishmen could take lessons here in political passion. The Afrikaners (Dutch descendants) outnumber the British three to two, and most of them are opposed to the war. They are a darkling, truculent, brutal people, unhappy without a quarrel and essentially proud (which means they feel inferior) about their breeding. They hate being social outsiders. The Afrikaner women are

solid and somber, often beauties by Rembrandt. Many of the Afrikaners are fine people, however, and the intelligentsia want a South African Republic.

There have been riots in Johannesburg but two things keep serious trouble from breaking out. One is that half the Afrikaners favor British rule. The other is South Africa's grand old man, General Smuts. All South African politics revolve around personalities and Smuts is head and shoulders above any other. Smuts at 70 looks 60, with cheeks the color of new Cordovan leather, blue eyes like rifle bullets, an address like a grandfather, a chin like a dagger, a smile like the sunrise.

Smuts says there will be no trouble about South Africans fighting off this continent. I can well believe the British here love to fight. Opposing the Boers' children has not softened them. They are modified by the life and climate into a strain more Scottish than English—chunky, ruddy and muscular or raw-boned and wiry. They are wonderful hosts and sportsmen.

Every day at noon all Cape Town comes to a standstill for two minutes to pray for victory. Even children stop playing. This midday pause, the origin of the Armistice Day pause, started in Cape Town in 1917 and was revived at the



PRIME MINISTER & MRS. SMUTS IN THEIR GARDEN AT CAPE TOWN

CONTINUED ON PAGE 18



ORSON WELLES

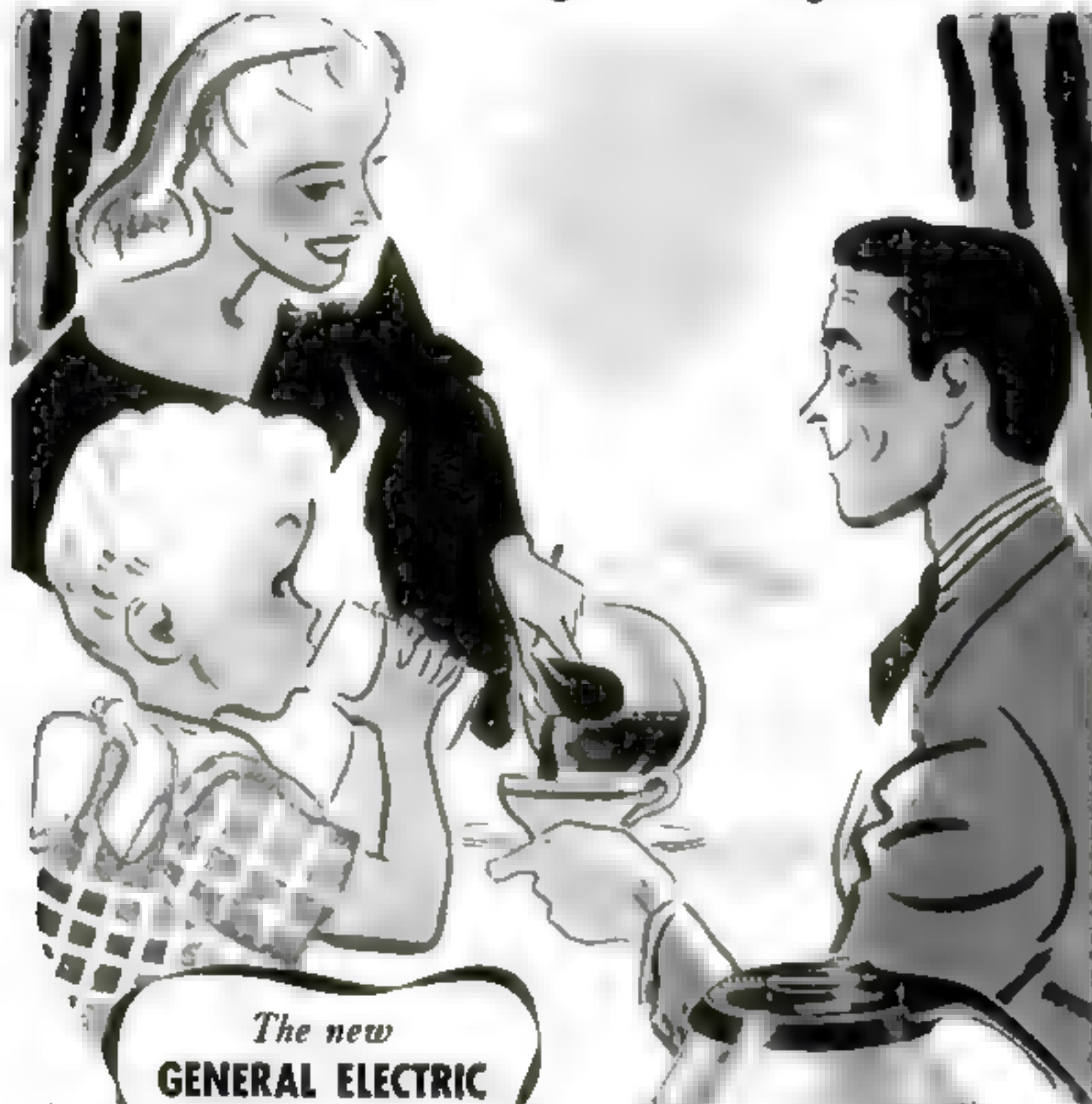
CITIZEN KANE

THE MERCURY ACTORS

JOSEPH COTTEN • DOROTHY COMINGORE • EVERETT SLOANE • RAY COLLINS • GEORGE COULOURIS
AGNES MOOREHEAD • PAUL STEWART • RUTH WARRICK • ERSKINE SANFORD • WILLIAM ALLAND

AN RKO RADIO PICTURE

New Way to Make Coffee —Absolutely Carefree!



The new
**GENERAL ELECTRIC
COFFEE MAKER**
is completely automatic!

No Guessing! No Watching!

The G-E Automatic Coffee Maker turns itself off and on. Keeps coffee hot as long as you wish. Glass bowls fully protected against breakage from overheating!

NOW you can have delicious coffee—with all its full-bodied flavor, delicate aroma—without watching, work or worry! Steaming hot, even if made at seven and served at eight!

Just pour coffee and water into the G-E Automatic Coffee Maker and press a button. That's all you do! This coffee maker brews coffee to rich, full-bodied flavor. Then it turns itself off, and a warming unit automatically keeps the coffee hot till you serve it.

Now for the first time you can make two cups of coffee the same strength as eight—all in the same coffee maker, thanks to exclusive General Electric features. See this Automatic Coffee Maker at your General Electric dealer's for only \$12.95.



Other G-E Coffee Makers \$2.95 and up

G-E builds a full line of coffee makers in various styles and at various prices. You can own a General Electric Coffee Maker for as little as \$2.95. Make your coffee the General Electric way—and make every cup a treat!



GENERAL ELECTRIC

LIFE'S REPORTS

(continued)

outbreak of this war. The opposition uses the custom in registering antagonism, simply by keeping in motion and audible during the sacred seconds.

The Cape to Cairo airline passes through Portuguese East Africa, which steams like Brazil, and is a natural home for yellow fever, indolence and Portuguese. I went swimming at Mozambique, where the airline put us up on a houseboat anchored in the harbor instead of on shore, thank God. I gasped when I felt the water. It was above blood heat. That night our ship's company was joined by a Free Frenchman, one Robert Chevalier, who had stolen a French trainer plane and flown 850 kilometers from Madagascar, trying to reach British territory. He ran out of gas and landed back in the bush 30 miles from Mozambique. We took up a collection of something over £6 to help him buy an R.A.F. uniform and other fixings.

On the flight I read Emil Ludwig's *The Nile* which is well thought of by people who know Africa well, and constitutes an excellent handbook for anyone writing about this war from Lake Victoria north.

We reached Khartoum as the sun set. It had just abandoned the blackout and was boiling with soldiers and correspondents and women in service and guides and the eternal blacks in flowing white costumes with red fezzes. In just a few weeks it had grown enormously, as the base for Wavell's thrusts eastward. The Shell engineers had been there and had built ten miles of asphalt road over the flat desert sands.

At Khartoum the two Niles join, and I tried to arrange a stop-over to ascend the Blue one into Gosham Province, Abyssinia, where Haile Selassie now is, but it was 350 miles, mostly by assback, so I skipped it. The British lads call Haile Selassie "Highly Satisfactory." They call the Abyssinians "Abos" and the Italians "Eyeties." They are terrific birds, some of these young fighting men, cooler than any cucumber. I hear that after Bardia and Tobruk and even Bengasi not a British eyebrow was so much as raised here in Cairo—matter of course, you know.

HOT DAN THE MUSTARD MAN

THE HOT DOG SERVED
WITH **FRENCH'S** WINS!
IT'S SURE TO TASTE
LIKE MORE
THIS **MUSTARD** SMOOTH
AND GOLDEN
IS HAILED FROM
SHORE TO SHORE



Creamier—Smoother
Millions Prefer It!

Find out what a difference the right mustard makes! Taste a sizzling hot dog spread with golden, spicy French's. A real flavor treat!

**LARGEST SELLING PREPARED
MUSTARD IN U. S. A. TODAY**



It
TASTES
so good
it's
GOOD
for you

5¢



**WHY CUSTOM GROUND COFFEE
GIVES YOU MAGNIFICENT
FLAVOR**

Different types of coffee pots bring hot water into contact with ground coffee for different lengths of time. Therefore, it is necessary to have coffee specially ground (Custom Ground) for each type of pot, to bring out the full flavor.



IN REGULAR POTS

boiling water is in constant contact with coffee, so be sure to order A&P Coffee ground **COARSE**.



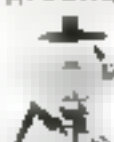
PERCOLATORS

force water over the coffee only intermittently, so you should use A&P Coffee ground **MEDIUM**.



IN DRIP POTS

water goes through the grounds only once, so you should have your A&P Coffee ground **FINE**.



IN VACUUM POTS

the contact of water and coffee is briefest of all, so always use A&P Coffee ground **EXTRA FINE**.

"I DON'T DESERVE THEIR 'ORCHIDS'"

FOR BEING THE BEST COFFEE MAKER IN OUR CROWD!"

"Really, the only credit I deserve is for learning the commonsense facts about coffee. Now all I do is drop in at my A&P, buy their fresh bean coffee, and tell the clerk the kind of coffee pot I use. Then I watch my coffee being *Custom Ground* exactly right to bring out all the magnificent flavor. It's all so simple and sensible, I kind of feel ashamed when they tell me what wonderful coffee I make because the real secret is fresh A&P Coffee. *Custom Ground*."

Yes, Madam, glorious coffee's easy when you

start with coffee that's right. And A&P Coffee is right from the start—the pick of the plantations, roasted to flavor peak in our own exclusive flavor-control ovens and rushed fresh to our stores in the flavor-sealed bean. Only at the moment of purchase is that flavor-seal broken by grinding, and then it is *Custom Ground* for your own coffee pot. As soon as A&P Coffee arrives in your kitchen, you're well on your way to "orchids" for the wonderful coffee you make.

AT ALL A&P FOOD STORES



ENJOY COFFEE OF MAGNIFICENT FLAVOR

**NO OTHER COFFEE OFFERS YOU
ALL OF THESE ADVANTAGES**

- Coffee that's the pick of plantations.
- Selected and bought by A&P's own resident experts in South America.
- Roasted to flavor peak in A&P's exclusive flavor control roasters.
- Sold in the flavor-sealed bean in A&P stores.
- Custom Ground when you buy... exactly right for your coffee pot, to bring out all the magnificent flavor.



Lovely Mrs. Duke of New York and Tuxedo Park, formerly Miss Priscilla St. George, is famed as one of America's youngest dog-show judges. Now scarcely twenty-one, her horses, pointers and setters, including Champion Maro of Maridor, have taken many honors. She drives a smart new Studebaker President Land Cruiser on her busy daily rounds.

**"Blood lines count . . . in cars
as well as horses," says
Studebaker owner**

MRS. Priscilla St. George Duke



"It's a joy to own and drive my Studebaker President," says Mrs. Duke. "And I'm proud to feel, as a Studebaker owner, that I'm helping to perpetuate one of America's great traditions of fine craftsmanship."

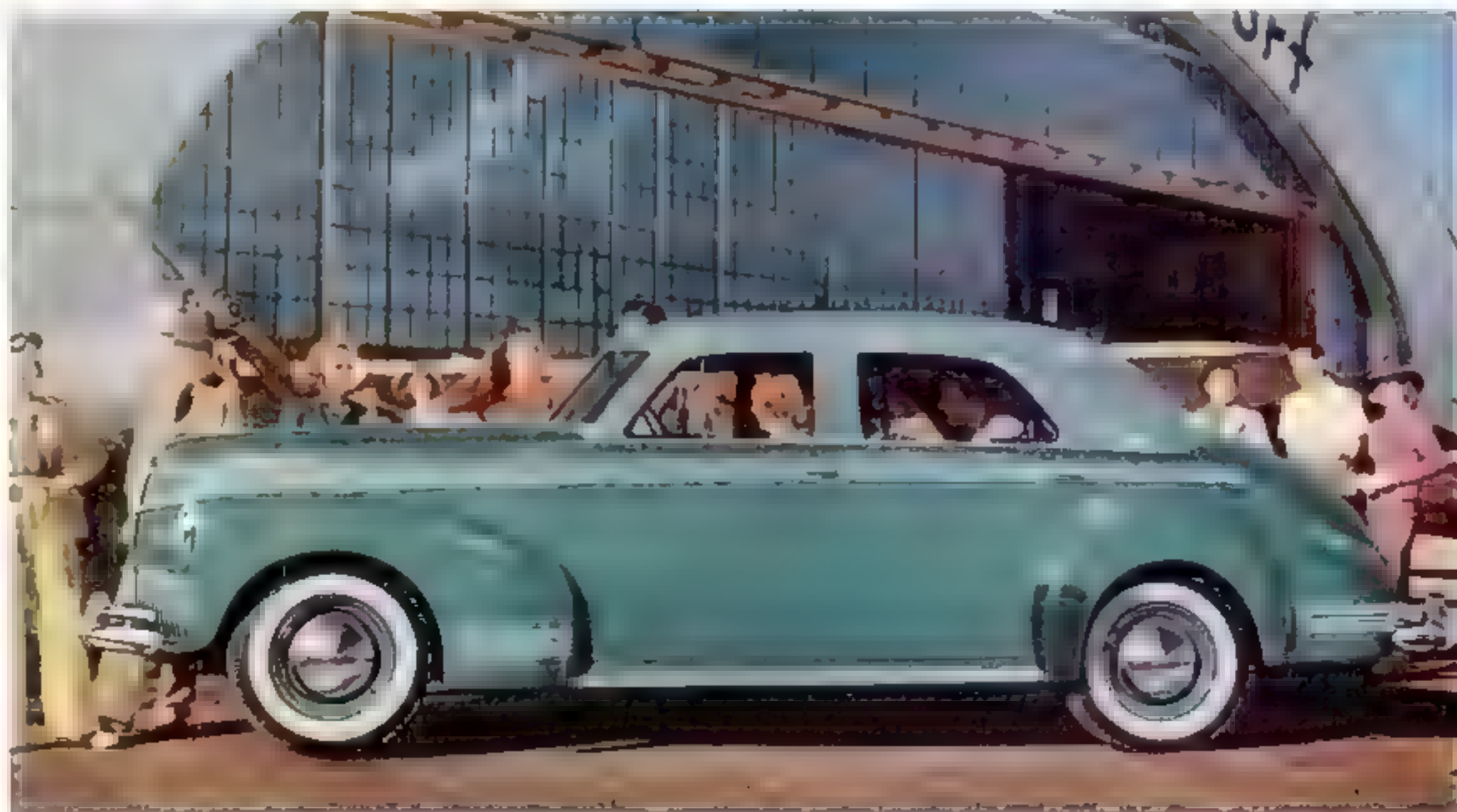
It's small wonder that Mrs. Duke is so enthusiastic about this smart new Studebaker Land Cruiser that Raymond Loewy styled so charmingly.

You travel in a delightful new world of motoring comfort, every mile you drive this easy-handling, remarkably economical car. Expert Studebaker craftsmanship keeps it singularly free from costly repairs.

See your local Studebaker dealer now and drive a Commander Six or President Eight Land Cruiser 10 thrilling miles. Use your present car as part payment—liberal C.I.T. terms.

Distinctively smart new 1941
**STUDEBAKER
LAND CRUISER**

AVAILABLE ON COMMANDER SIX
AND PRESIDENT EIGHT CHASSIS



CONTENTS

THE WEEK'S EVENTS

Roosevelt's New Deal Sends an Ambassador to Britain's New Dealers	23
LIFE on the Newsstands of the World	28
A Frenchman Sheds Tears of Grief As His Country's Flags Are Exiled to Africa	29
Greeks Push on in Albania	29
British Capture Tobruk	30
Fort Sill Welcomes an Officer and His Bride	31
Churchill's Daughter Makes Maiden Speech	31
Income Tax: 8,900,000 Americans File First Returns	39

BIOGRAPHY

General Sir Archibald Percival Wavell, by Harry Zinder	63
--	----

PHOTOGRAPHIC ESSAY

Australia's War Effort Forces Continent to Grow Up Industrially	74
---	----

BOOKS

"Out of the Night," Part II, by Jan Valtin	94
--	----

MEDICINE

Pain	46
------	----

ART

Diego Rivera's New Mural Depicts Pan-American Unity	52
---	----

MODERN LIVING

Model Is Cast in Plaster to Make Manikin Mold	58
---	----

MOVIES

Veronica Lake	62
---------------	----

SPORTS

Table Tennis	86
--------------	----

NIGHT CLUB

New York Night Clubs Offer Roughhouse & Satire	39
--	----

OTHER DEPARTMENTS

Letters to the Editors	2
Speaking of Pictures: Blizzard Sweeps Denver Pass	12
LIFE's Reports	16
LIFE's Pictures: an Index	84
LIFE Goes to an Ator Party	102
Pictures to the Editors	106

The cover and entire contents of LIFE are fully protected by copyright in the United States and in foreign countries and may not be reproduced in any manner without written permission.



LIFE'S COVER. Helen Johnson, model, who appears with her manikin double on this week's cover, is a game girl. During the first attempt to make a plaster mold of her face, she gagged, almost choked. That was because she had not learned to breathe easily through the straws in her nose and mouth (see p. 68). On the second try she lay still, relaxed. So accurate is the mask that a barely visible scar on her right cheek appears on her double. Next week Helen and manikin, dressed in identical outfits, will be on display in New York's Saks Fifth Avenue store.

EDITOR: Henry R. Luce
MANAGING EDITOR: John Shaw Billings
EXECUTIVE EDITORS: Daniel Longwell, Wilson Hicks
ASSOCIATE EDITORS: Hubert Kay, David Cort, Joseph J. Thornclike Jr., Joseph Kastner, Noel Busch, Paul Peters, Maria Sermolino, Rachel Albertson, Edward K. Thompson
ART EDITORS: Peter Penning, Worthen Paxton
EDITORIAL ASSOCIATES: John Allen, Margaret Bassett, Ruth Berrien, Don Burke, Fred Bernard Hoffman, Dorothy Hoover, Oliver Jensen, Thomas D. McAvoy, Hansen Merrill, Carl Mydans, John Phillips, Gerard Piel, Hart Prentiss, Tom Prineaux, David Scherman, William C. Shiraz Jr., Peter Stockpore, George Street, William Van Meter, Marie Varga
EDITORIAL ASSISTANTS: John Allen, Margaret Bassett, Ruth Berrien, Don Burke, Roger Butcher, Judith Chase, Mirella Gordin, Selma James, Elaine Brown Keiffer, Elizabeth Kelly, W. I. Lang, Dorothy Jane Larson, John Manthorpe, Lashell, Le Moyne, John Peter, Richard Polard, John Powell, David Ritchie, Julian Rixey, Helen Robinson, Bernice Shutte, Shelley Spauld, Jean Spawer, Marion Stevens, Lura Street
PUBLISHER: Roy E. Larsen, GENERAL MANAGER: C. D. Jackson, ADVERTISING DIRECTOR: Hewart Baker
Subscriptions and all correspondence regarding them should be addressed to CIRCULATION OFFICE, 330 East 22nd Street, Chicago, Ill.
LIFE is published weekly by Time Inc. Editorial and Advertising offices: TIME & LIFE Building, Rockefeller Center, New York City. Henry R. Luce, Chairman; Roy E. Larsen, President; Charles L. Stillman, Treasurer; David W. Brumbaugh, Secretary.
SUBSCRIPTION RATES: One year, \$4.50 in the U. S. A., \$5.50 (Canadian dollars in Canada including duty), \$6.00 in Pan American Union, elsewhere \$4.00. Single copies in the U. S. A., 15¢; Canada, 12¢; U. S. Territories & Possessions, 15¢; elsewhere, 20¢.



LAVENDER'S INFORMAL!

Light, lingering fragrance correct for all informal occasions. Cool and fresh as a morning breeze . . . sweet as a whole field of English lavender blossoms . . . winning so many admiring looks as you pass by. . .

Even the most determined masculine defenses are apt to waver when confronted by such rare loveliness and charm. And the lovable Yardley English Lavender is as perfect for a country week-end as it is for a round of shopping in town. . .

Indulge, too, in the rich, gentle lather of English Lavender Soap, known as the "luxury soap of the world." . . You may buy both of these complements to feminine enchantment at Yardley, 620 Fifth Avenue, New York. And at the better drug and department stores throughout the country. You will find Yardley English Lavender priced from \$1 to \$8.25. Yardley English Lavender Soap, 35¢ the single tablet, Box of three, \$1. We continue to receive our shipments from England despite war conditions.

Yardley

ENGLISH LAVENDER

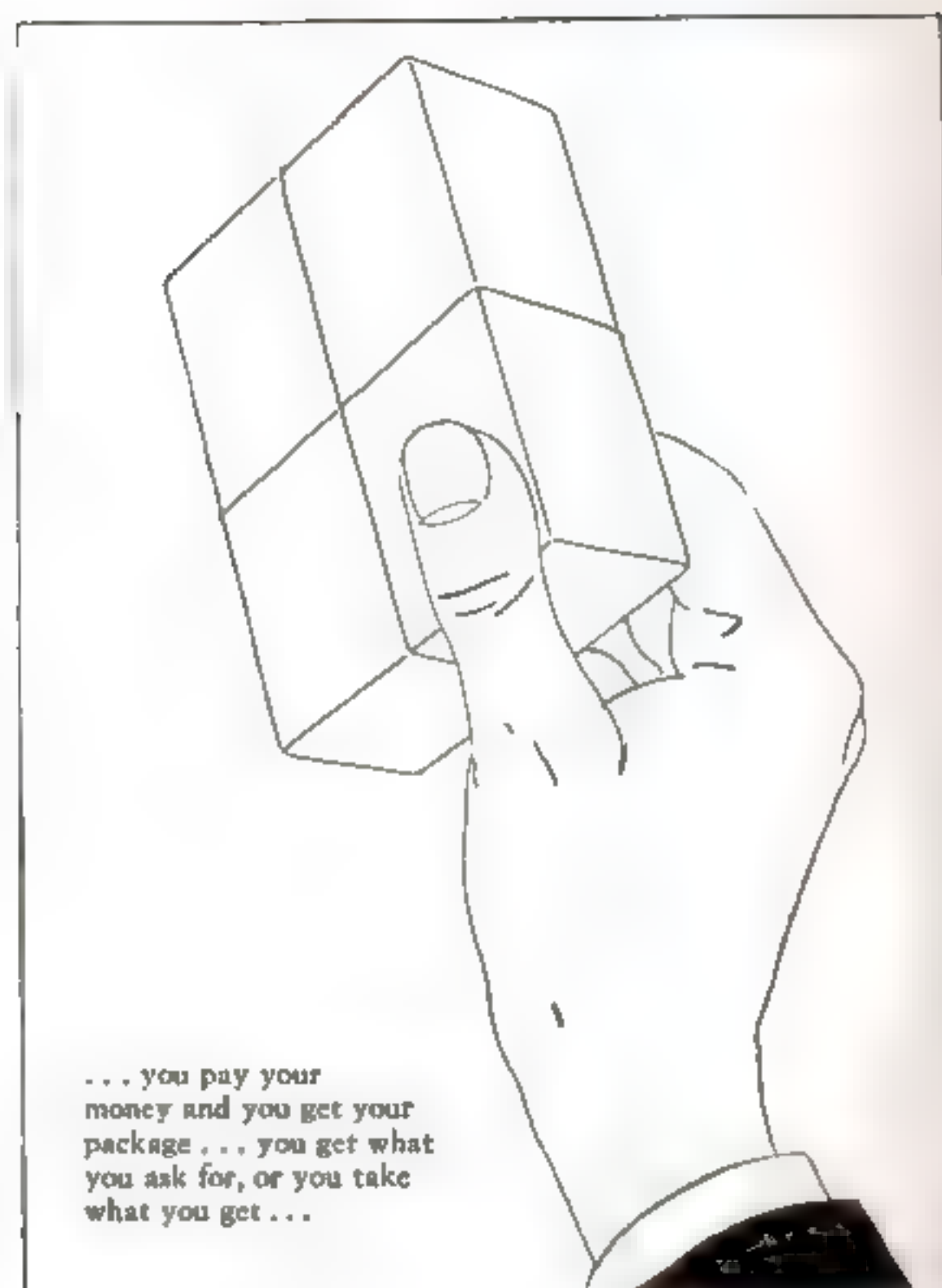


YARDLEY PRODUCTS FOR AMERICA ARE CREATED IN ENGLAND AND FINISHED IN THE U. S. A. FROM THE ORIGINAL ENGLISH FORMULAE, COMBINING IMPORTED AND DOMESTIC INGREDIENTS

The man behind the counter

The Man behind the Counter can tell you about two kinds of customers

- the one who buys quality
- the one who lets price buy him.



The Man behind the Counter stands for any salesman or salesperson; in store, in office, or on the road.

He trades his merchandise for your money. He puts something in your hands that he has and you want.

The Man behind the Counter knows the true quiz for quality: *Who makes it? ... What will it do? ... How long will it do it?*

The worst investment in the world might be spending a dime for something that is worth only nine cents.

The best investment in the world might be spending a million

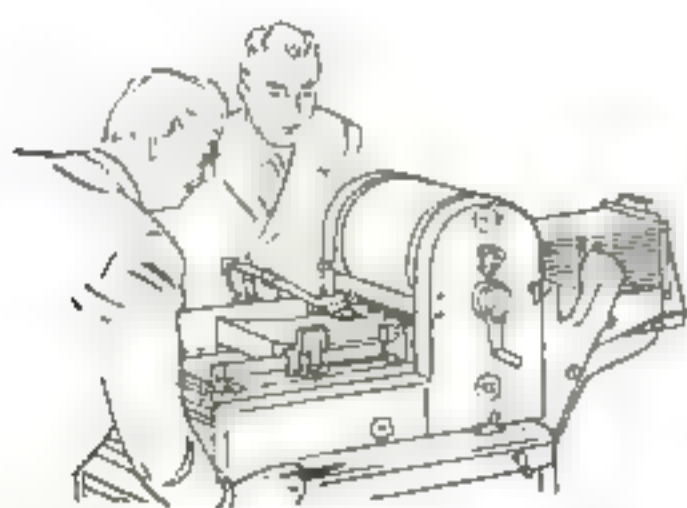
dollars for something that's worth more.

These are days when honest businesses realize that honest products, fairly made and fairly priced, are the answer to America's business future.

Let down the bars on quality and you let in the knife blade that dulls, the shirt that shrinks, the faucet that leaks, the light bulb that burns out faster.

If you buy quality you usually get more than you pay for.

If price buys you, you usually pay for more than you get.



When you buy duplicating equipment you don't buy just a piece of machinery; you buy what it turns out; how long it turns it out. The Mimeograph duplicator is built (1) to turn out quality duplication (2) to do so for years.

Many a Mimeograph duplicator has started with many an office boy and seen him graduate to an executive position.



When you use Mimeograph stencil sheets you get one thing few others claim: absolute uniformity sheet after sheet; quite after quire. They are good to work with and you can be sure that in Mimeograph stencil sheets you get pure, safe material, because they are prepared under ideal and sanitary manufacturing conditions. Mimeograph stencil sheets are safe as well as efficient.



There are many times you want to turn out good work fast. The Mimeograph duplicator turns out copies at the rate of 50 to 160 per minute—and you will find them easy to read (up to the visibility standard required for schools), neat and rich looking.

There is a Mimeograph distributor in almost every leading city to show you any or all of the four Mimeograph duplicators.



Mimeograph duplicator

MIMEOGRAPH is the trade-mark of A. B. Dick Company, Chicago, registered in the U. S. Patent Office.

THE ROOSEVELT NEW DEAL SENDS AN AMBASSADOR TO BRITAIN'S NEW DEALERS

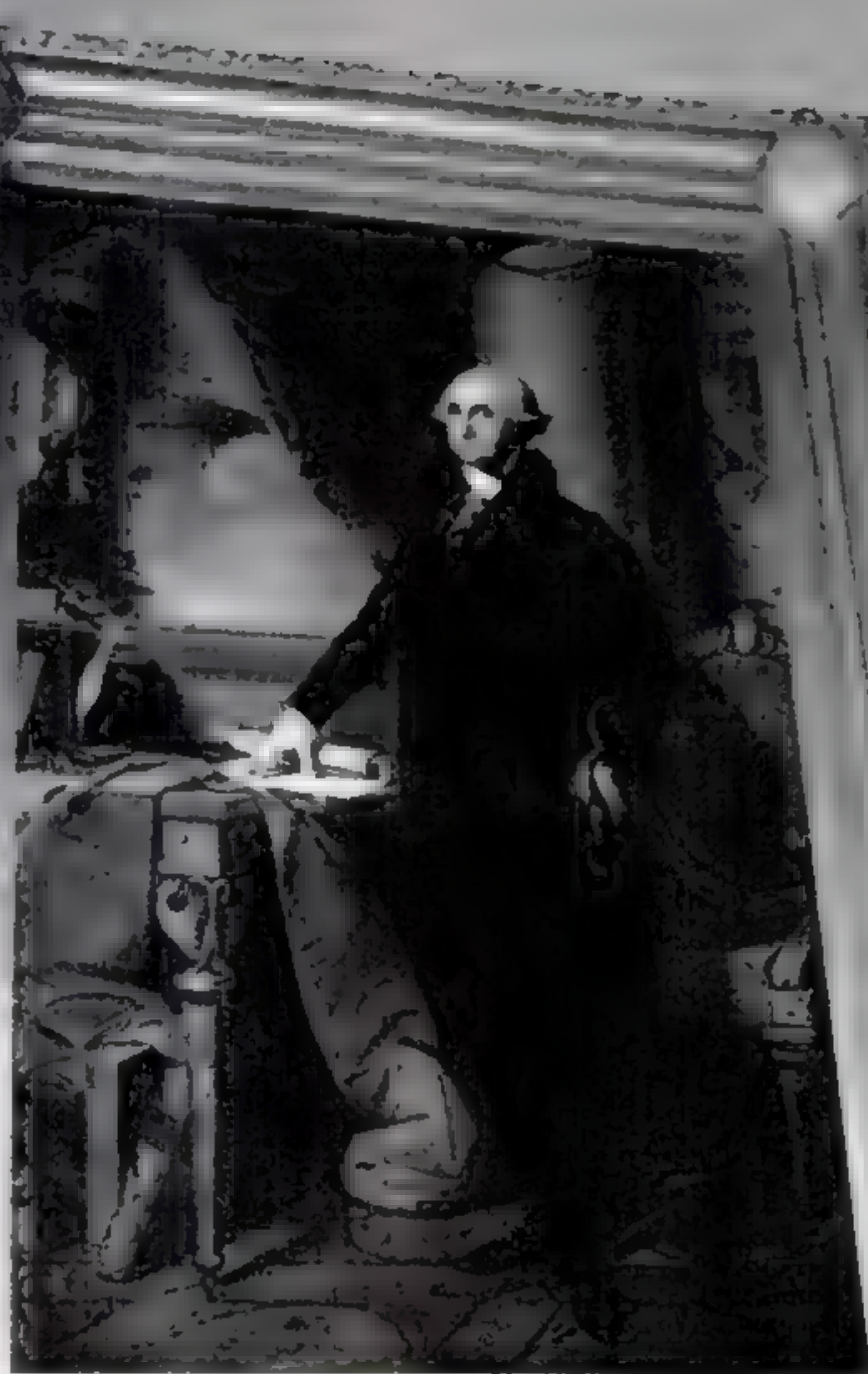
As a portent of the great social changes evolving both in Britain and America, President Roosevelt's choice of John Gilbert Winant to be Ambassador to the Court of St. James's was unmistakably significant. It was also significant of the distinguished but unspectacular public character of the new Ambassador that, in the time which elapsed between his appointment and his imminent departure for London, the brightest items of Winant news were made by other people. Items:

1) Mr. Winant's successor as Governor of New Hampshire, Robert O. Bassett, while introducing the new Ambassador for a farewell speech to the New Hampshire Legislature (*left*), referred to Great Britain as "the fatherland." From seven of the Legislature's 451 members (it is the nation's biggest) came a formal squawk.

2) Near Lima, Mr. Winant's daughter Constance "eloped" with a young Peruvian scientist.

The 48 previous U. S. ministers and ambassadors to Britain have been distinguished for everything from poetry to poker playing, but there has never been one like John G. Winant. In fact, aside from being well-born and well-to-do, Ambassador Winant is about as far from the conventional picture of a suave, worldly-wise, smooth-talking and hard-bargaining diplomat as Franklin Roosevelt could have dreamed up. Mr. Winant is a tall, awkward, twitchy, unpressed man, slow-thinking and slow-spoken, who stutters violently when excited and whose friends, according to the *London Daily Telegraph*, "often have wondered how any man could possess so many blue shirts frayed at the collars and cuffs."

But Ambassador Winant's friends also often compare him—in character as well as looks—with Lincoln. And his friends include many of the British New Dealers, notably Minister of Labor Ernest Bevin, whom U. S. New Dealers expect to see take over Britain's Government either during or after the war.



John Gilbert Winant, introduced to New Hampshire Legislature Feb. 18 as new Ambassador to "the fatherland," exhorts leg-

islators from beneath portrait of George Washington to "stand with British as free men in the comradeship of hard work."



Daughter Constance Winant Valando flew home with her new Peruvian husband after their marriage near Lima on Feb. 9.



New Hampshire friends give Ambassador Winant handshakes of congratulations and farewell after his speech in the State Capitol on Feb. 18. Winant, of seven three terms as Governor of New Hampshire, distinguished by such honor, never refuses as a true-blue wage

law, relief and to expenditure. He is a man of many talents. Though a Republican, he is not tied at once to the New Deal, securing first chairmanship of Social Security Board. His European friendships were true, as he was a member of International Labor Office in Geneva.



Abraham Lincoln, whom he strongly resembles, is one of Ambassador Winant's heroes of history. His large library includes many books of Lincoln lore. Winant once taught history at nearby St. Paul's School.



Winant moved to Concord in 1913, after getting Princeton when his Old Guard father grew famous at his Bull Moose campaigning. As teacher at St. Paul's

he brought the central part of this house, added the wing after he married in 1919 and began to require a family. Above, his two sons engage in a snowball fight.



The Winant family was reunited at Concord last week when Daughter Constantine, who came from Peru with her new husband, Carlos Valenzuela, left, whom she met while studying at the University of San Marcos in Peru. Winant sons, on left, are Dorland, Miss. Adams

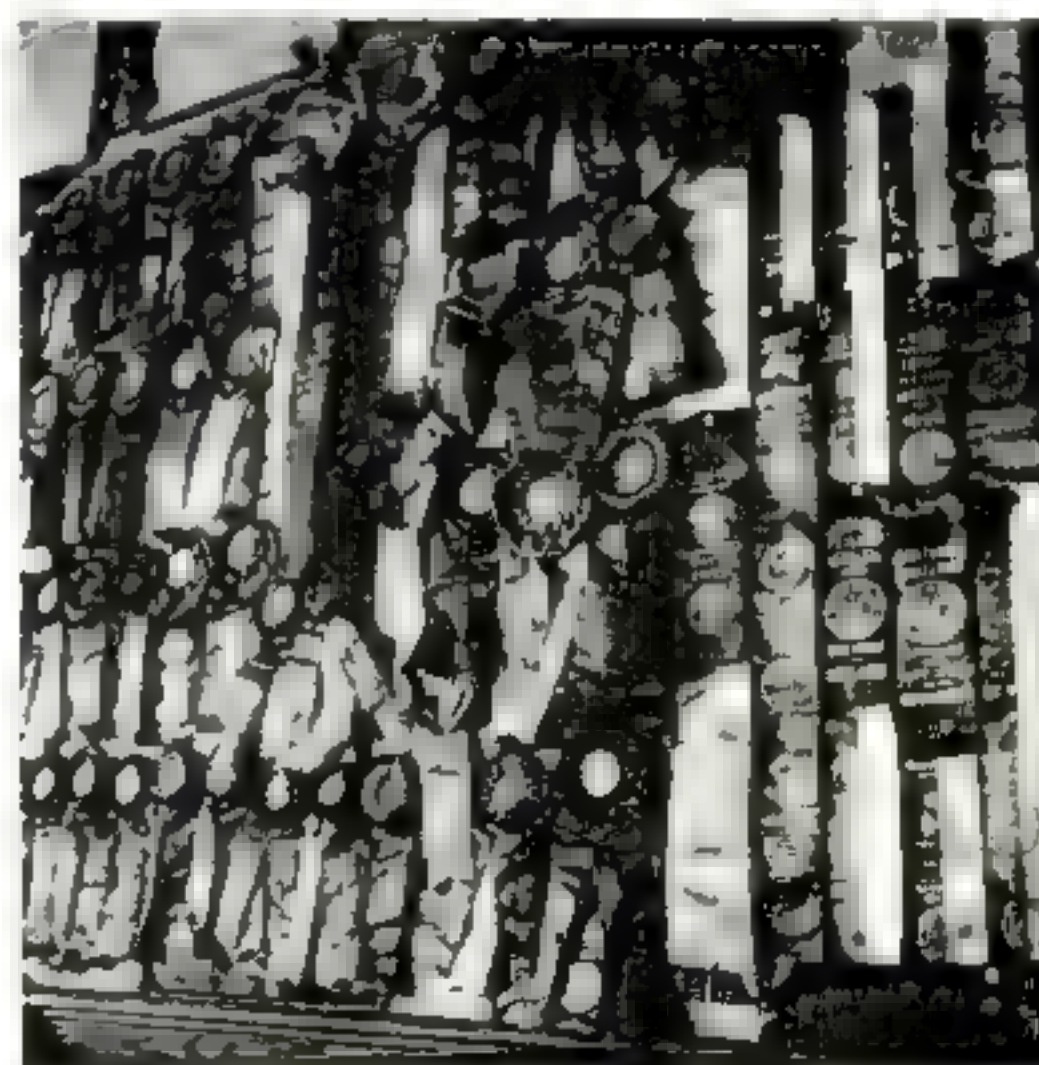
only, are Livingston Russell, 15, right, and John Jr., 19. Mrs. Winant was Constantine Russell, daughter of a rich New York banker. She has just the Ambassador in Paris, can have left for the present to playstayed the Embassy, and her quarters in a hotel.



Seventy Scotties and West Highlands inhabit Mrs. Winant's Edgerstone Kennels



Mr. Winant once collected Arabian horses, but gave them up. Reason: one of his horses stepped on top of Mrs. Winant's dog.



Latest of many ribbons won by Mrs. Winant's dogs was awarded last Wednesday show by Orley A. ... of Edgerstone.

WINANT JOINS A FAMOUS COMPANY IN LONDON JOB

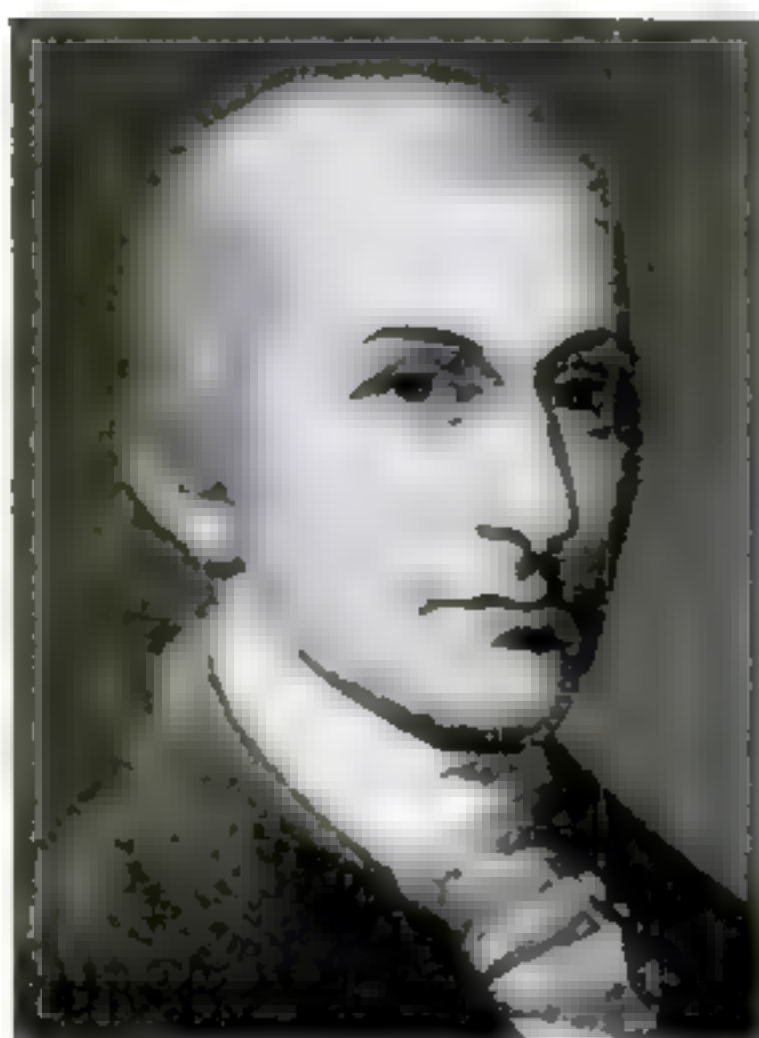
These are 24 of the 43 men who have preceded John G. Winant as holders of what has always been the No. 1 U. S. diplomatic post. In character and performance they have varied greatly. Similarly, the curve of British-American friendship has alternately dipped and soared. But more important than any accident

of individual talents or national passions has been the great central fact of the British-American relationship which Pundit Walter Lippmann recently illumined thus:

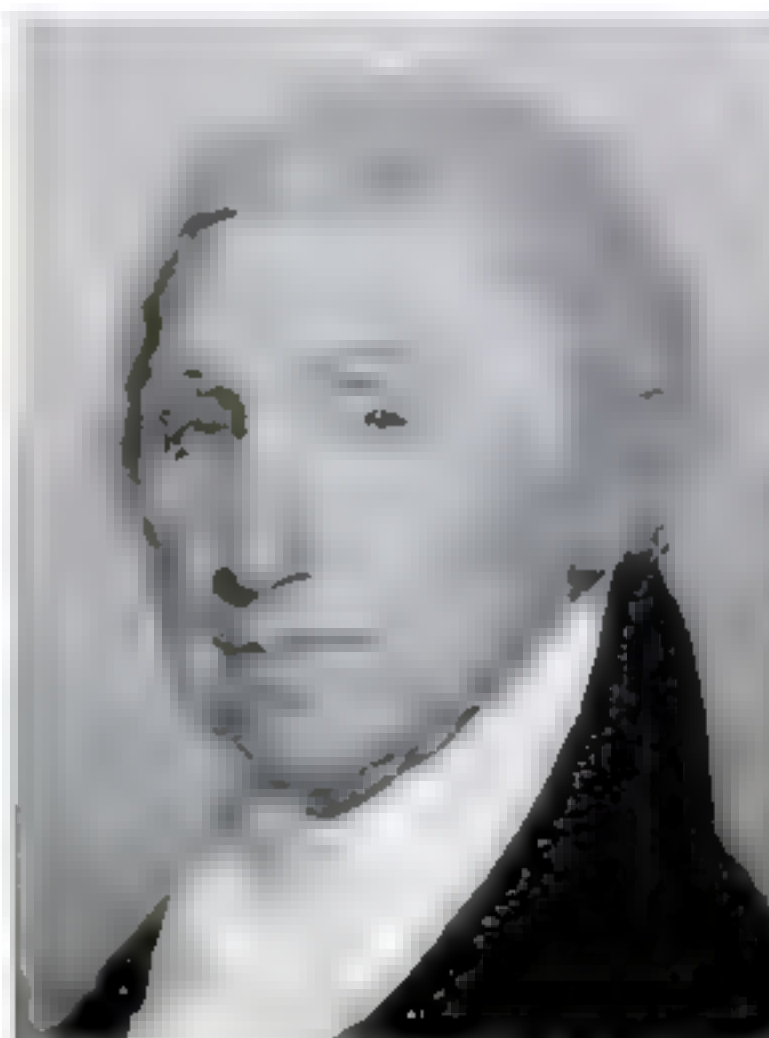
"The fact is that while Americans have quite easily remained neutral in most wars . . . there has never been



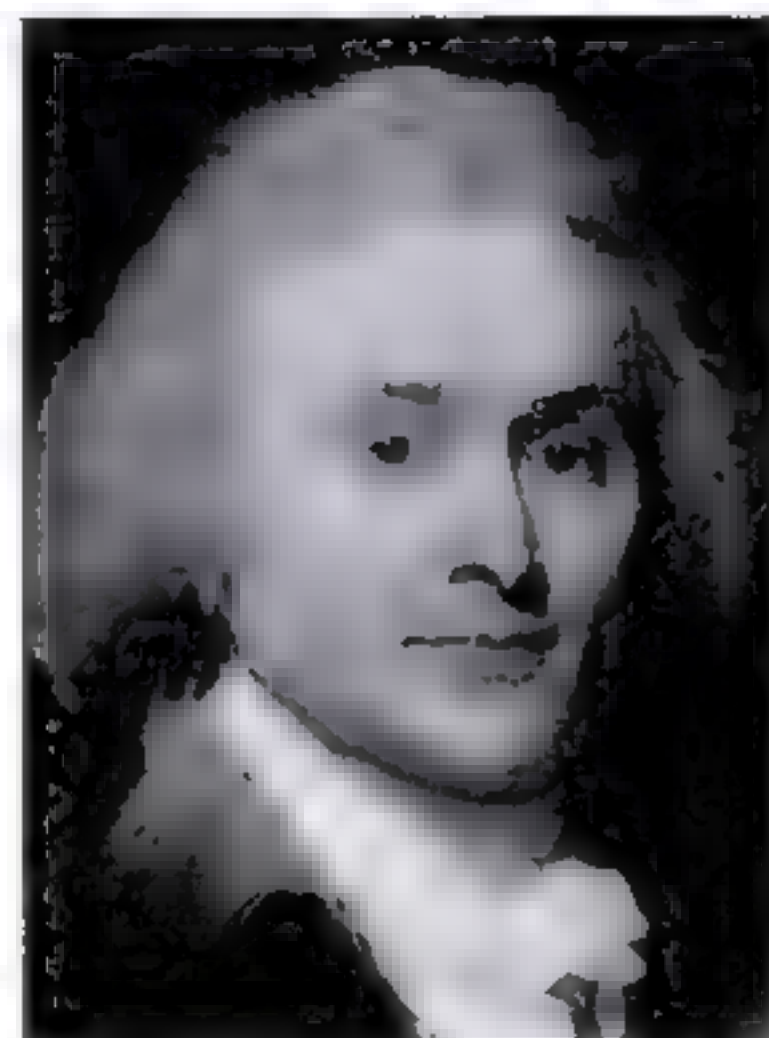
Thomas Pinckney (1792-96), first U. S. Minister to Britain, got nowhere with the British but negotiated boundary and navigation treaty with Spain.



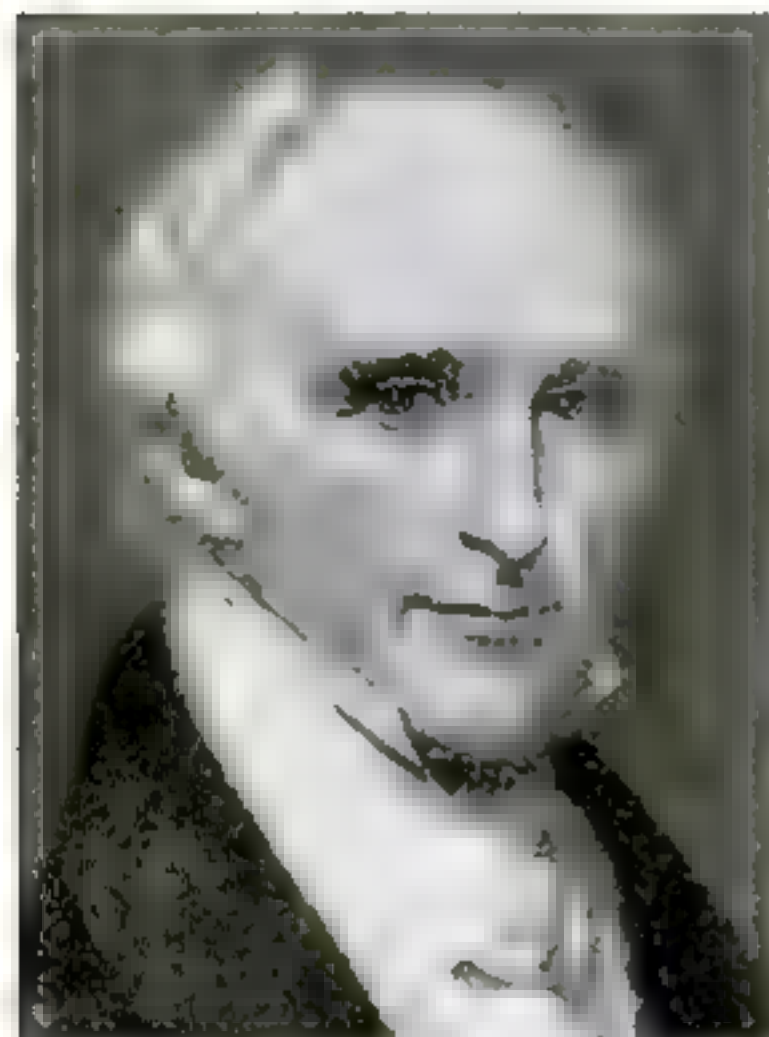
John Jay (1794-95) tried to settle post-Revolutionary disputes by Jay's Treaty. Its concessions to Great Britain infuriated U. S. patriots.



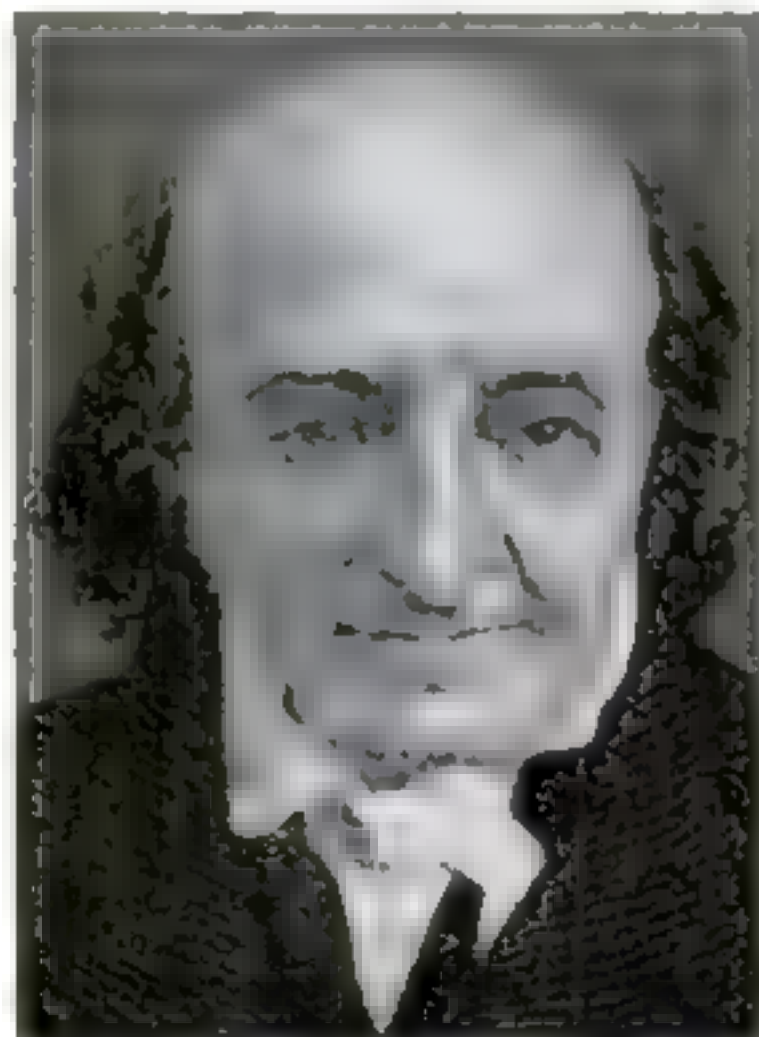
James Monroe (1803-7), later U. S. President, failed miserably at settling trade and shipping quarrels which brought on the War of 1812.



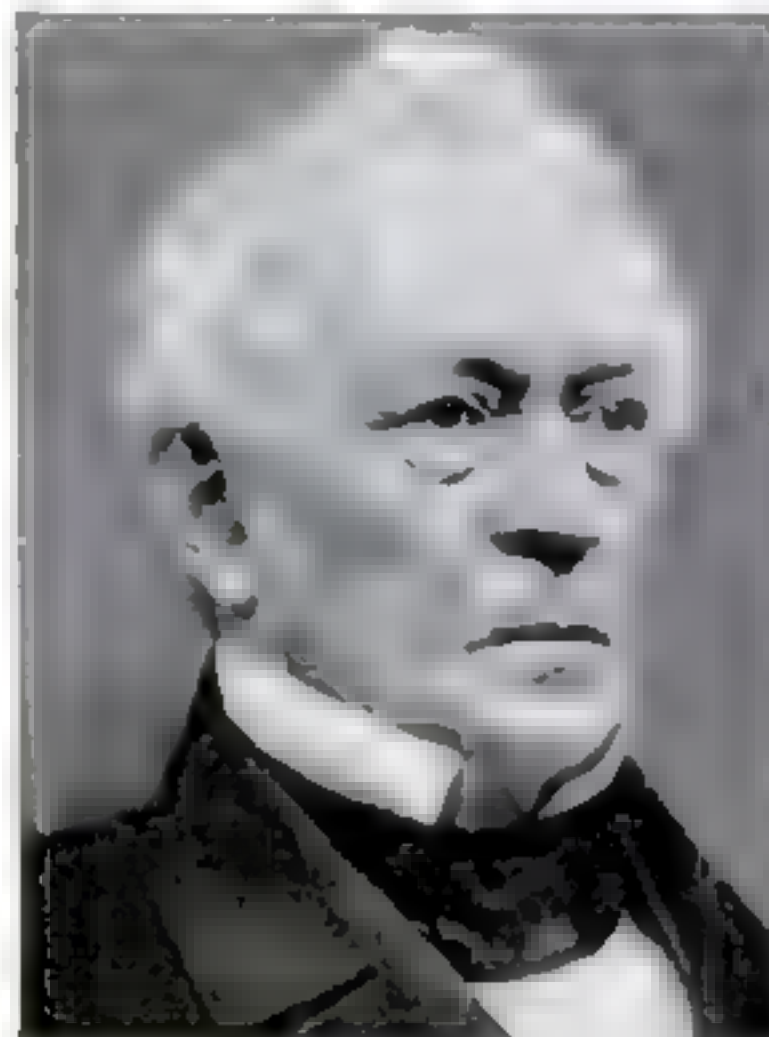
John Quincy Adams (1815-17), later U. S. President, grated British nerves by his crotchety manner, disliked the social demands of his job.



Richard Rush (1817-23) liked the British, carried on negotiations with Canning which led up to the enunciation of the Monroe Doctrine.



Albert Gallatin (1826-27), Jefferson's great Secretary of the Treasury, won chief diplomatic distinction as negotiator of the Treaty of Ghent.



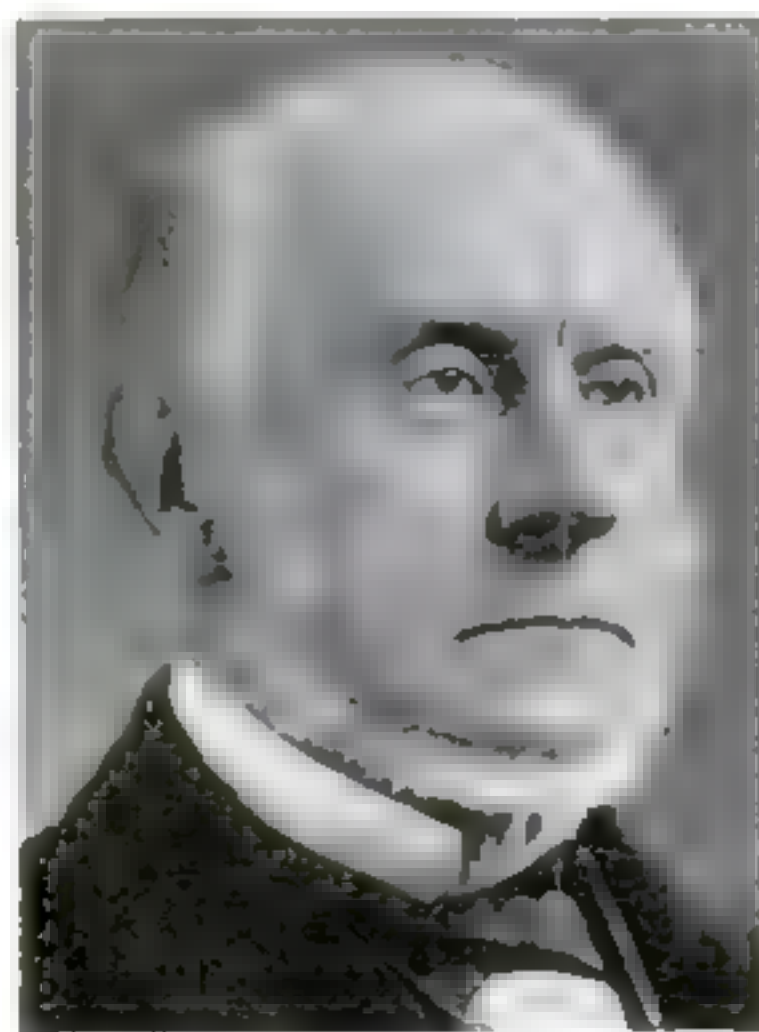
Edward Everett (1841-45), preacher-teacher-editor who made the other speech at Gettysburg, impressed British by scholarly orations.



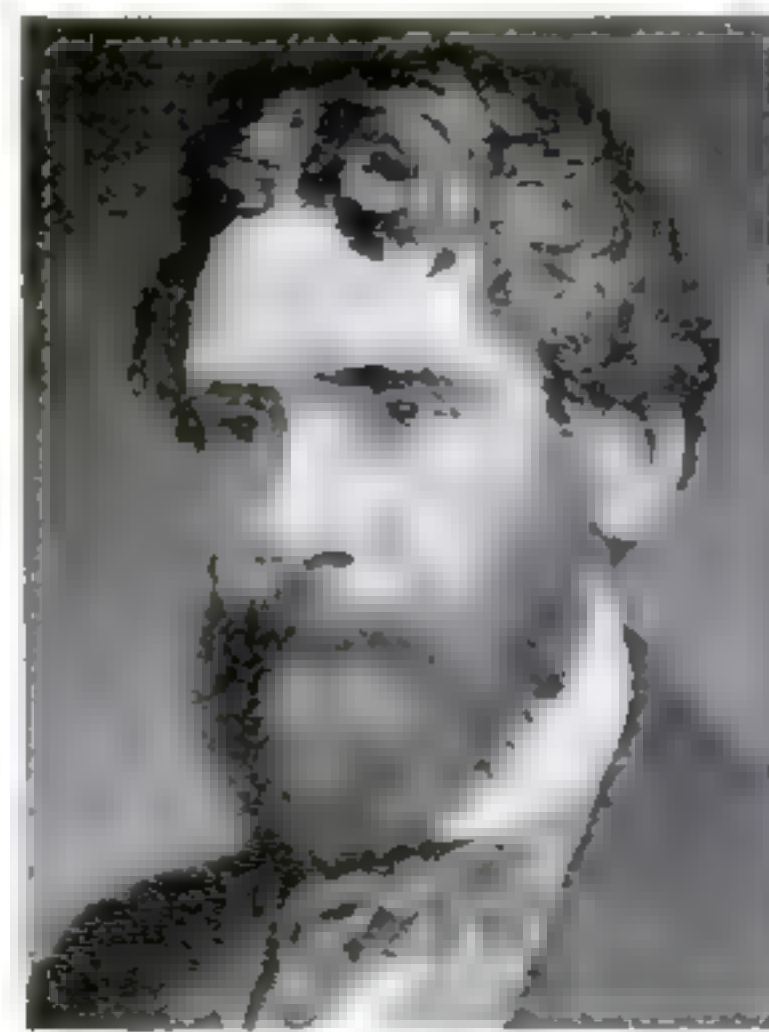
George Bancroft (1846-49), ex-professor, spent much ministerial time in British and French archives for his *History of the United States*.



James Buchanan (1853-56), later U. S. President, was popular with British but U. S. State Department repudiated his Ostend Manifesto.



Charles Francis Adams (1861-68), son of John Quincy, did a superb job of countering British upper classes' sympathy for the Confederacy.



John Lothrop Motley (1869-70), famed historian of *The Rise of the Dutch Republic*, was recalled before he could settle *Alabama* claims.



James Russell Lowell (1880-85), essayist and poet, won admiration for American letters and institutions through his well-turned speeches.

a great war between Britain and the dominant power of Continental Europe in which Americans did not participate. . . Far from its being the work of recent propagandists, the British-American connection is a continual development since the end of the 16th Century—since the defeat of the Spanish Armada gave the

English-speaking men the control of the North Atlantic Ocean. . . Whatever the differences—often very serious—among the English-speaking peoples, their common interest has been so fundamental that they have always stood together against any other power which threatened to invade the North Atlantic world."

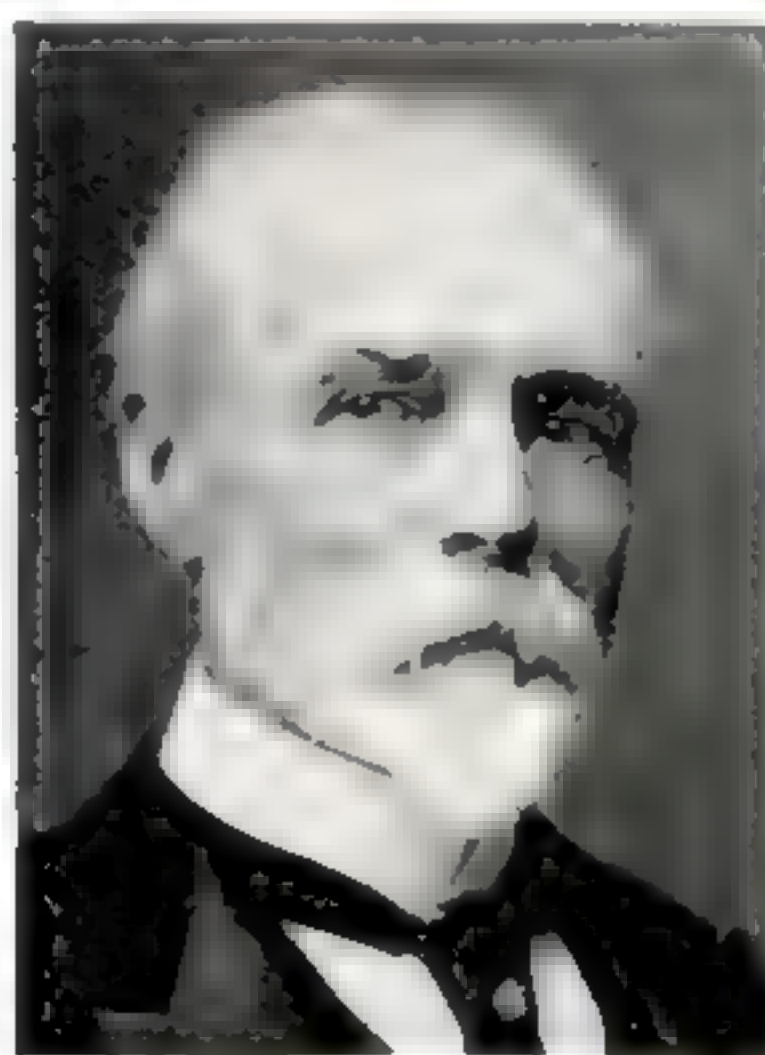
Now to London goes an historian who, well aware of this historic fact, answers *Union Now* by declaring that "some day collaboration will have to reach much farther than the United States and Great Britain," that "only by finding a common basis of world citizenship" can the world ever have a real and lasting peace.



John Hay (1807-08) spent brilliant year in London, persuaded British to support U. S. against Spain, later won free hand for Panama Canal.



Joseph Choate (1800-1905). Tweed Ring prosecutor, negotiated British agreement on Open Door in China and Canadian-Alaskan boundary.



Whitelaw Reid (1805-12), New York *Tribune* editor, died in London. British paid tribute by returning his body to the U. S. on Navy cruiser.



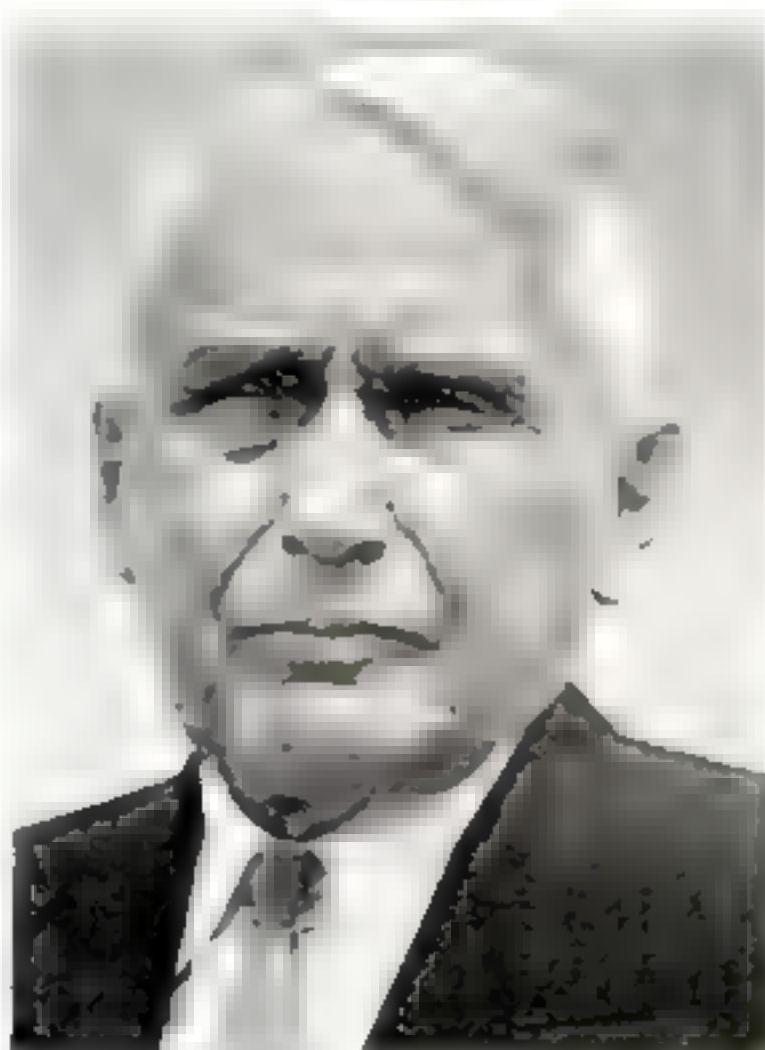
Walter Hines Page (1919-18), magazine editor and an ardent Anglophile, worked hard to bring America to Britain's side in World War I.



John W. Davis (1918-21), later Democratic candidate for President, served ably and gracefully in the treaty-making period after the War.



George Harvey (1921-23), magazine editor, was rated an intimate of King George V, worked for quick revision of British war debts to the U. S.



Frank Billings Kellogg (1924-25) worked on Dawes Plan negotiations, returned to be Secretary of State and sponsor Kellogg Peace Pact.



Alanson B. Houghton (1925-28), manufacturer, introduced U. S. businessman diplomacy to Berlin and London in work on reparations.



Charles Gales Dawes (1929-32), wisecracking banker and ex-Vice President, said that diplomacy was "easy on the head but hell on the feet."



Andrew Mellon (1932-33), Pittsburgh capitalist, was kicked upstairs to London when Hoover decided he wanted Ogden Mills in Treasury.



Robert W. Bingham (1933-37), Louisville publisher, denounced dictators, said the U. S. and Great Britain stood together against despotism.



Joseph Patrick Kennedy (1937-40), Boston Irishman, returned to America last fall feeling gloomy about the prospects of British survival.

LIFE ON THE NEWSFRONTS OF THE WORLD

Washington faces Singapore Crisis in deadly earnest; Balkans crumble under German pressure

The Far Eastern crisis converged on Singapore, Britain's great base around which revolves all the strategy of the South Pacific. In great liners a force of "many thousand" rambunctious Austrorians steamed up the Straits of Johore and landed with full equipment. They were presently filtered out to stations in Malaya, the long, narrow peninsula which leads down to the island of Singapore. At the same time, the British announced that waters around Singapore had been mined and that American bombers bought by Australia were on their way across the Pacific. By these moves Singapore braced itself for a Japanese attack which appeared to be in the making. Japanese transports were reported landing troops on the island of Hainan off the China coast and on points in Indo-China within easy striking distance of Singapore.

The British have never figured out any plan for the long-run defense of Singapore which does not require

U. S. naval help. The local garrison, strengthened as it was last week, could hold out for a while against a Japanese land-sea attack—probably long enough for the U. S. Fleet to make the run from Pearl Harbor to the Far East. After that it would be up to the Americans. The Japanese Fleet is large but is not highly regarded by



WELLES

American officers, while the islands of Japan are perfect targets for naval and air attack. Hence, if the rulers of Japan have to count on U. S. intervention, they would be taking a very long gamble in attacking Singapore.

Last week Washington was making every effort to convince the rulers of Japan that, despite America's long years of pacifism, this country is now deadly serious about the Far East. Sumner Welles, who was acting as Secretary of State for Cordell Hull, turned down, with his utmost frugidity, a Japanese statement that it had no design on Dutch or British territory. "The Government of the United States," said Mr. Welles, "is far more interested in the deeds of other nations than in the statements that some of their spokesmen may make." At the same time the House passed unanimously a bill to fortify the island of Guam in the western Pacific, which it voted down three years ago as a possible offense to Japan. Both the Army and the Navy dispatched more planes to strengthen their forces in the Pacific. Word was passed around that as soon as the Lease-Lend Bill is passed, the President may order some cruisers from Pearl Harbor to Singapore which, though it is one of the world's three greatest naval bases, has never had a capital ship stationed there.

Washington was not bluffing. War with Japan was a day-to-day possibility and there appeared to be very little public opposition. A Gallup poll showed that 39% of the people were willing to risk war in order to keep Japan from seizing Singapore and Netherlands Indies (against 46% unwilling). This was less than the 68% willing to risk war in Europe but it showed a sudden rise in concern about the Far East. More important, there seemed to be no fierce emotional resistance to war in the Pacific, as there is among many people to war in Europe. The strong American hatred of war has really been hatred of the bloody slaughter which Americans associate with the last war. For most Americans a naval war at arm's length, such as a war with Japan would be, holds no such terror.

Help for Winant. When Lord Halifax was made British Ambassador to the U. S., London assigned two assistants with the rank of Minister to help him with



HARRIMAN

the great volume of business generated by two governments working as closely together as Britain and the U. S. Last week, as Ambassador Winant packed up to fly to London (see pp. 23-25), the President appointed W. Averell Harriman, chairman of the Union Pacific Railroad and lately a defense administrator, to handle the London end of the Lease-Lend dealings. Mr. Winant will also take along Ben Cohen as his legal adviser. Unlike the British ministers, neither Harriman nor Cohen will have any diplomatic rank.

"American Bluff and Guff." Out of honest gratitude for American war help, most Britons have manfully swallowed their distaste for certain traits of the American character. But Mr. C. G. Grey, founder of *The Aeroplane* magazine, boiled over on the subject of American planes, which he deems inferior. "I have a rooted objection," wrote Grey, "to having obsolete or conceivably dud American stuff planted on this country by American bluff and guff and blah and baloney. . . . Some of us are so afraid that the U. S. A. will insist on coming over here and winning the war for us, as they did last time. And another 20 years of being told that America won the war would be so hard to bear."



JONES

Lend Bill moved toward certain passage.

Getting Closer. Senator Austin, assistant Republican minority leader of the Senate, said on the Senate floor: "If it ever becomes necessary to fight we will fight." Secretary of Commerce Jesse Jones told a House Committee: "We're in the war, or at least nearly in the war; . . . we're preparing for it." No one was surprised. The Lease-Lend Bill moved toward certain passage.

Balkans Crumbling. Under German pressure, the whole Balkan area crumbled last week. Britain's ally, Turkey, signed a non-aggression treaty with Bulgaria and gave every indication of going back on her promise to

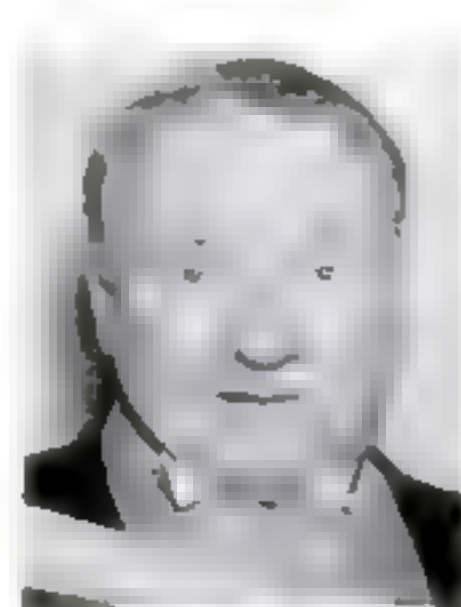


DILL

fight. Bulgaria looked on without dismay as the Germans built pontoon bridges across the Danube from Rumania. Yugoslavia, whose leaders have been closeted with Hitler at Berchtesgaden, seemed set to permit the passage of German troop trains. For fighting Greece, this looked like the end, unless British help could be swift and strong.

Down to Egypt flew Britain's Foreign Secretary Anthony Eden and Sir John Dill, Chief of the Imperial General Staff. They found General Wavell (see pp. 63-73) winding up his Libyan campaign and ready to go to the rescue of Greece. As the generals talked over the situation, Germany created another threat behind their backs by moving a few troops into Spain.

Publicity Stunt. Launching a new evening program in English for the U. S., the German short-wave radio last month invited American listeners to radio their comments and suggestions, collect, to Berlin. As soon as the offer was publicized, the airways began to sizzle with messages. Samples: "Let's have a broadcast of Hitler's funeral"; "On-the-scene broadcasts of Royal Air Force bombings of Germany most welcome to Americans, especially of Chancellery and Braunhaus." After a few days the offer was closed. The German radio was out the cost of several thousand messages at \$2.19 apiece, but had received many times that value in free advertising.



FIELDS

Taxpayer. When W. C. Fields sued the Government for \$20,000 which he said he had overpaid in income taxes, the Government sued right back for \$20,000 which it claimed he had underpaid. "You can't win," said astounded Comedian Fields last week as he rolled into court for the trial. Fields does not belong to the majority of

taxpayers too uninformed or too timid to take their proper deductions (see pp. 39-44). He had deducted the cost of whisky as business entertainment, fees for gags, wages for two secretaries (24 hours a day), clothes and sanitarium expenses. Also a \$20 milk bill. "I do not drink the liquid myself," Fields testified. "I believe the writers were addicted to it."

PICTURE OF THE WEEK

The tears coursing down this Frenchman's cheeks were shed with many others on the streets of Marseille. The sight which caused them was the procession shown below. The flags of defeated French regiments, stranded since last June in Unoccupied France, were being carried down to the docks to be sent to Algeria. Ordinarily these flags would be kept in a Paris museum, as they were after the Franco-Prussian War, but today Paris is occupied territory. Hence the flags were shipped, for safe-keeping, to General Weygand's colonial army.



FRENCH REGIMENTAL FLAGS IN MARSEILLE



A Frenchman sheds tears of national grief as flags
of his country's lost regiments are exiled to Africa



A Greek column, led by an officer wearing a British-style helmet, advances single file with its pack train through a snowy pass near Corizzo, Albania. The complete lack of camouflage reveals what the Greeks think of the combat ability of the Italian air force.

Over an open campfire Greek peasant troops warm their frost-nipped noses and cook a meal. Usually all they need to eat are a few olives and a hunk of bread. Note how they lack covering for their faces and feet, and even seem to lack gloves.



THE GREEKS

THEY PUSH BOLDLY ON IN ALBANIA AGAINST THE WINTER, THE ITALIANS AND NAZI THREATS

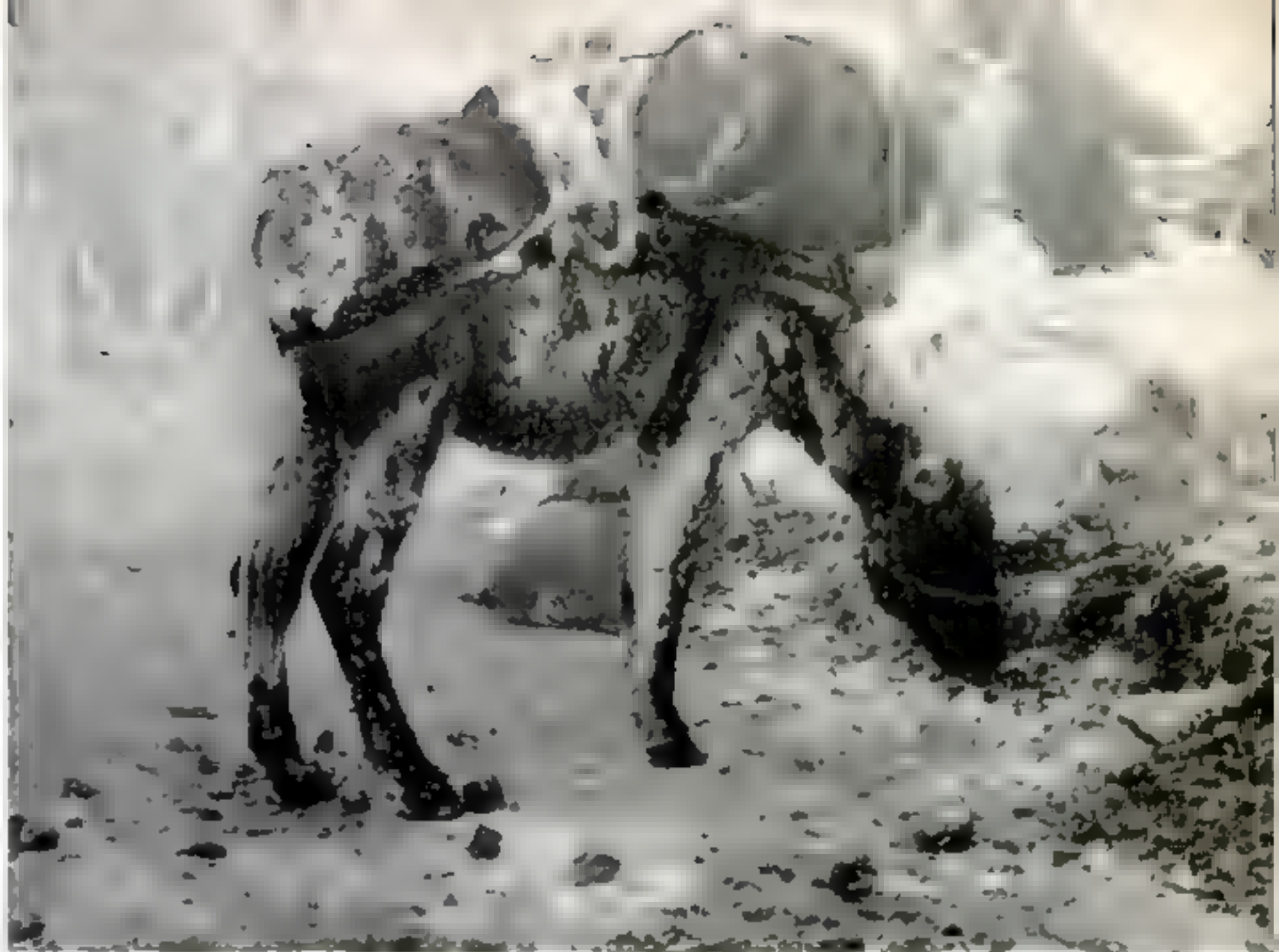
Last week after a 48-hour artillery barrage and heavy British bombing attacks, the sturdy peasant army of Greece resumed the offensive along the entire Albanian front under freezing fighting conditions of the kind shown here. Through the high, snow-choked passes of the "mountains of the damned," small Greek columns like the one at the left, pushed ahead single file. A deep snow, at least two ft. thick, covered the rocky ground. Winds, with the cutting edge of steel slashed at men's faces and hands.

Not since Finland have men fought in such frigid terrain. But unlike the Finns or the Russians, the Greeks were never prepared for warfare in winter. These pictures show how completely they lack fur-lined greatcoats, wool-lined winter caps and earmuffs, or even wool balaklava helmets so common to both the British and Germans in winter. Neither the puttees nor the shoes which the soldiers are wearing were made for a winter war. Although the temperature in Albania ranges only from freezing to about 20° above zero, the humidity is more oppressive than in Finland. Frostbite, leading to painful gangrene, has so far claimed more Greek casualties than Italian bullets, bombs and shells.

In more ways than weather alone, the Greek war resembles the Finnish. The Greeks too have held off and roughly pushed back a more numerous and better-equipped invader. How much longer they can repeat these Thermopylaean feats is problematical. A growing German army was threateningly poised last week in Romania, ready to lunge southwards against Greece through Bulgaria and possibly Yugoslavia. Like the Finns, the Greeks might be winning almost all the battles and yet lose the war. But whatever the final outcome, the Greeks, like the Finns, were once more proving that the will to fight for life and home against an invader, no matter what the odds, still counts for something.



An evzone, wearing the khaki version of the famous frilly skirts and "long winter underwear" used on parade, slashes through slush at Corizza with a Greek regular.



This ice-caked supply donkey, foraging for food, is one of the hardy little animals that both sides use to carry food, munitions, machine guns, small mountain guns and trench mortars up the rocky Albanian mountains. Biggest gun the Greeks have yet been able to use in the mountains is 155-mm. howitzer.



A snowbound train is tied out by poorly clad Greek soldiers and peasants on railroad leading to the Corizza front. Below: Greeks camp out in a desert of snow. They apparently do not even have white tents to conceal their position from Italian planes. They could never get away with this against the Germans.





SIEGE OF TOBRUCH BEGAN AFTER JAN. 5 WHEN BRITISH MOTORIZED COLUMNS SPED ON PAST BARDIA ACROSS ROCKY DESERT IN A CURTAIN OF DUST PROTECTED BY THE R. A. F.

TOBRUCH

Last week, as the future plans of the British Imperial Army of the Nile were a snugly kept secret, its record of past achievements was placed on view for all to see. Here in these official British pictures, Mussolini's dreams of African expansion are seen curling skyward in writhing billows of dust and smoke at the Libyan port of Tobruk on Jan. 22.

Tobruk was the third big Italian base and port in Egypt and Libya to fall to the British. For two weeks it lay besieged, then after a 36-hour assault it crumbled. By land it was surrounded and cut off from retreat by British units which straddled the coastal road toward Derna. By sea it was hostage to the big guns of the British Fleet, operating in

BLACK BILLOWS OF SMOKE RISE FROM BOMBED OIL STORES AT TOBRUCH. "SAN GIORGIO" BURNS IN DISTANCE



ITALIAN SAILORS MARCH OUT OF TOBRUCH AS PRISONERS





OLD CRUISER "SAN GIORGIO," BOMBED EARLIER BY THE R. A. F., WAS USED BY ITALIANS AS SEA FORT PROTECTED BY TORPEDO NETS. WHEN THE PORT FELL, ITALIANS FIRED SHIP

close coordination with the land forces. Overhead British planes had won mastery of the air by smashing every nearby Italian airfield.

At the zero hour Australian troops and their "Free French" allies led the way. The outer defenses of pillboxes, barbed-wire entanglements and shallow tank

traps, which the Italians had built in a 30-mile arc around Tobrukh, were soon pierced. With great cunning, the main British attack was launched from the east, after the Italians, with Sidi Barrani and Bardia in mind, had expected it from the south or west. Once British infantry and tanks broke through, they spread out fanwise

and attacked the remaining pill boxes from the rear.

Caught within the trap were some 20,000 Italian troops, four more generals, one admiral and large quantities of supplies. Awaiting the arrival of the British in the main public square was a captured Australian airman. "Welcome, pals!" he shouted, "the town is yours."

NOTE UNDAMAGED WATER TOWER (LEFT) AND PHONE LINES



BRITISH CAPTURED HUNDREDS OF ITALIAN LORRIES.

NOTE BLAZING OIL TANKS AND "SAN GIORGIO" AT RIGHT

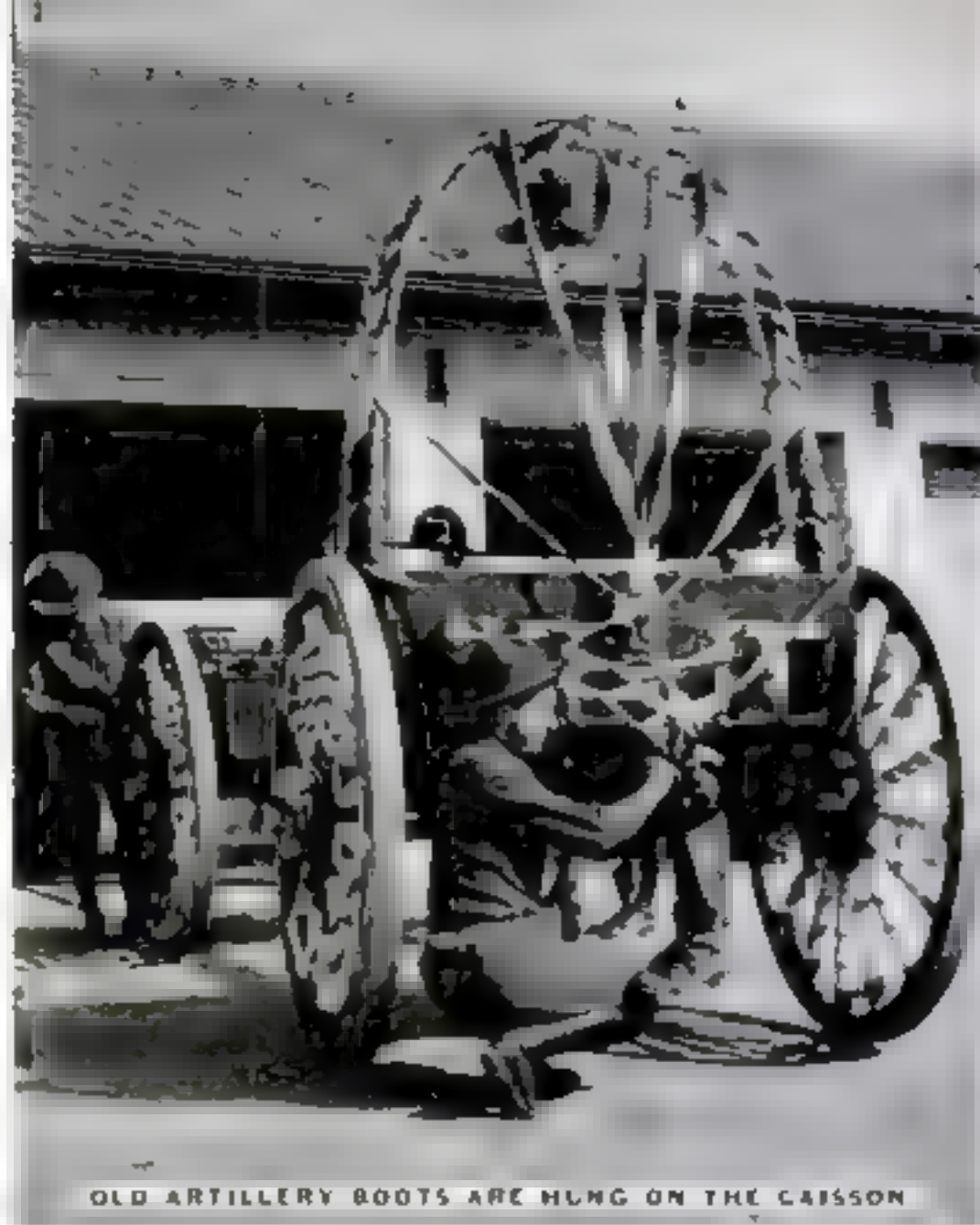


FORT SILL WELCOMES AN OFFICER AND HIS BRIDE

Fortnight ago, from Oklahoma's dusty old Fort Sill, training ground for 12,000 field artilleryists, there sounded the gaily galloping notes of *The Caissons Go Rolling Along*. Over the bumpy reservation roads jounced a procession of horses, wagons and tallyhos, all guided by pretty girls and snappily uniformed officers. Near the head of the procession rolled a decorated caisson pulled by six stalwart roans. On the caisson, with her officer-husband, rode a beaming, bouncing bride. She was young Julia Louise Cole Shoemaker, wife of Second Lieutenant Ralph Shoemaker, and she and the lieutenant had just returned from their wedding trip. Now at the fort they were being subjected to one of the most famous of the field artillery's traditions—the one which says that an officer and his bride, on returning to camp after their wedding, must ride a caisson from one end of the camp to the other, over bumpy roads, through woods and streams, up hills and over ditches.

In general, Army authorities today dislike such nonsense. They point out that caisson rides waste time. In fact, Colonel Charles P. George, Commanding Officer of the 18th Field Artillery, twelve months ago forbade them. But when Lieutenant Shoemaker of his regiment married the popular daughter of another Fort Sill colonel, fellow officers persuaded Colonel George to allow just one more ride.

Preparations started early on the day the bride and groom were to arrive. Near the stables enlisted men began decorating the caisson with 200 yd. of red and white crepe paper and a big paper bell, left over from Christmas. Shortly before 2 p. m. they took the caisson out to the Fort Sill Polo Club. There some 35 officers, with their wives and daughters, had gathered, ready to ride in the procession and to welcome the Shoemakers home. A few minutes later, the bride and groom arrived and were welcomed by Colonel George himself. Off went the procession over the less-traveled streets of the fort, up and down hill, even through watery Quinette Crossing. At last, however, the procession ended in front of Colonel George's house. There, because he temporarily has no quarters, Lieutenant Shoemaker carried his bride across the colonel's threshold. Even though she knew this was not actually part of the caisson-ride tradition, Mrs. Shoemaker liked it best of all.



OLD ARTILLERY BOOTS ARE HUNG ON THE CAISSON



COLONEL GEORGE GREETS THE BRIDE AND GROOM



VALIANTLY BLARING OUT OLD ARTILLERY SONGS FROM A "MANURE" WAGON, BAND RIDES IN MIDDLE OF PROCESSION



TO TAKE COUPLE, LIFT PHOTOGRAPHER MILLER RIDES HORSE BACKWARDS



SHOT AT 1/500 SEC. MILLER'S PICTURE SHOWS HOW ROUGH THE RIDE IS



UP ONTO THE CAISSON CLIMBS GOOD NATURED MRS. SHOEMAKER



THE BIG SLOW-MOVING PROCESSION WINDS DOWN A FORT ROAD



LIEUTENANT AND MRS. SHOEMAKER BOUNCE HAPPILY ALONG ON THE METAL-TIRED NO SPRINGS CAISSON



IN QUINETTE CROSSING THE CAISSON'S GAY DECORATIONS HAVE FALLEN OFF



THE COLONEL HELPS THE BRIDE OFF THE CAISSON



SHE IS CARRIED OVER THE THRESHOLD



CHURCHILL'S DAUGHTER MAKES MAIDEN SPEECH

For the first time in her 18-year-long life, Mary Churchill, the British Prime Minister's glamorous youngest child, made a speech in public. Appearing as the Squire's Daughter in her home town of Westerham, she opened War Weapons Week. A fresh-look-

ing brunette, Mary displayed a confident stance and a firm Churchill chin. She urged villagers to contribute money to the Government for war matériel. If the war had not cut out big social doings, Mary Churchill would have been England's No. 1 debutante in 1940.

FROM EVERY CORNER OF THE
COUNTRY COMES A CHORUS—

"CAMPBELL'S SOUPS ARE BETTER THAN EVER!"

"You should taste how good they are now!"

"They've certainly done something to Campbell's Soups.
They're ever so much more delicious!"

"My, these soups are good! They taste even better than
they used to!"

"What's happened to Campbell's Soups? They taste more
marvelous than ever!"

That's the talk you hear going
round. In every neighborhood
women are telling one another
what's happened. They tell their
grocers, too, and from East, West,
North and South the word comes
back to us—"Campbell's Soups
are better than ever!"

There's a reason for this. We
strive constantly to improve the
deliciousness of all our soups.

We don't make a fuss or fanfare
over each single improvement.
But people know.

Careful, critical home-cooks
particularly—they can tell right
off when a good soup is made
even better. And the way the
family go for it proves them right.

Have you tried Campbell's
Soups lately?

Campbell's SOUPS



VEGETABLE SOUP Mothers know a good vegetable soup when they taste it. So the standard for its quality is a home-kitchen bowl of mother's approval. The good food people at Campbell's praise the home vegetable soup and speak of it as "just a new Campbell's" — well, so it is. The new vegetable soup is the Campbell way!



CREAM of MUSHROOM This one, perhaps, is the most talked-of soup nowadays. Have you treated your family to Campbell's Cream of Mushroom? It's thick and smooth, luscious with extra creamy fresh cream. It carries with it a rare flavor — fresh young mushrooms in shreds. And there are tasty mushroom sauces for every palate! Why not have it today?

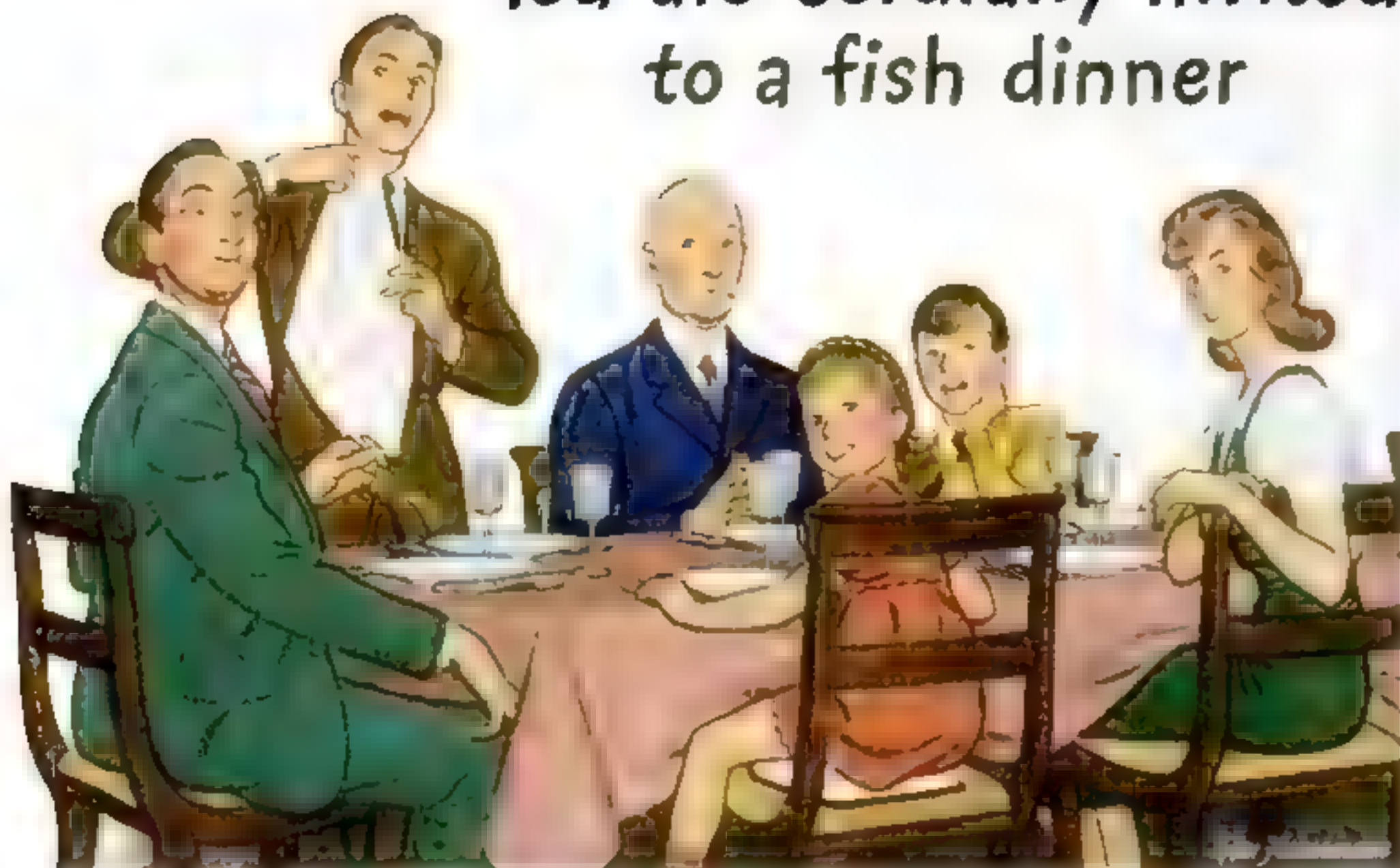


Round the town the news is going
Hear the people say
"Good as Campbell's Soups have been
This is better so let us try"



CHICKEN NOODLE SOUP It is a well-known fact that the best chicken noodle soup is the one made at home. But Campbell's Chicken Noodle Soup is as good as home-made. It's a soup that's been perfected by the Campbell's chefs. It's a soup that's been perfected by the Campbell's chefs. It's a soup that's been perfected by the Campbell's chefs.

You are cordially invited to a fish dinner



1. This is no ordinary meal—preparation starts only 20 minutes before eating time; the food is the best-

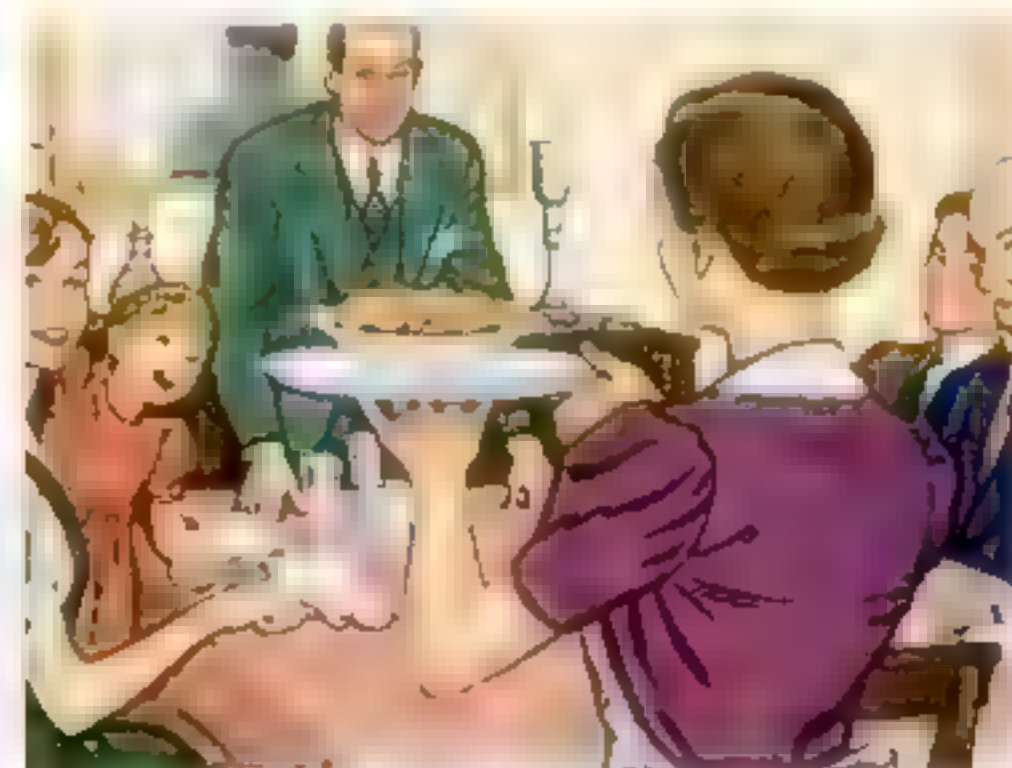
tasting you ever ate yet the cost is *small*. It's a real Birds Eye Quick-Frozen value you'll love!



2. **Heavenly Haddock** is the main course—succulent Birds Eye Haddock Fillets, cleaned, boned, and quick-frozen as fast as the critters could be got off Old Jeb's trawler. All their oceanic flavor has been kept. There's no waste: all there is to do is cook and devour 'em!



3. **Luscious Lima Beans** are the vegetable: Birds Eye Baby Limas, as sweet and garden-fresh as when they were picked. Only beans at the head of the class are quick-frozen by Birds Eye Again—no fuss, no shelling everything that's in the package, you eat *and* love!



4. Ah, dessert! Peaches, beauties of just right ripeness sliced, sugared—ready to serve! Imagine—orchard-fresh peaches in March! This economical, easy-to-prepare Lenten meal is made possible by Quick-Freezing. Enjoy it and other Birds Eye Budget Dinners, often!



LENTEN DINNER *Special!*

THIS WEEK... MARCH 3-8
Birds Eye Haddock Fillets
Birds Eye Lima Beans
Birds Eye Peaches

Economize, too, with these fine
Birds Eye Foods:

Green and Wax Stringless Beans
Cod Fillets Asparagus Cuts Spinach
Country-Style Frying Chickens

EYES ALERT! All Quick-Frozen foods are not Birds Eye! To avoid possible disappointment, look for the Birds Eye logo in the window and on the package. It guarantees all our Birds Eye Fruits, Vegetables, Sea Foods, Meats, and Poultry as first quality. **THEY MUST SATISFY, OR YOUR MONEY BACK!** For further information, write Frosted Foods Sales Corp., 250 Park Avenue, New York, N. Y.





GEOLOGIST

Robert Gill Montgomery is a geologist with the Minerva Oil Co. of St. Louis. He has never paid an income tax before this year. Like millions of other Americans, he is sitting down for his first struggle with form "1040 A." After a preliminary tussle, Mr. Montgomery figured he would shell out between \$10 and \$25. He would have to pay more if it weren't for the \$400 exemption beside him—his 20-months-old son, Jon. "The tax really isn't going to make a great difference to me," says Mr. Montgomery, who is all for the defense program.

INCOME TAX

8,000,000 AMERICANS FILE FIRST RETURNS

During these weeks up to March 15, 8,000,000 Americans are having a brand new fiscal experience. They are filing their first Federal income-tax returns. Last year, 7,800,000 people filed returns. This year almost 10,000,000 will. Last year, 4,000,000 of those who filed returns paid a tax. This year, an estimated 7,000,000 will pay a tax.

The great part of this increase results from lowering of exemptions. In 1940, returns were filed by married people who earned more than \$2,500 and unmarried people who earned more than \$1,000. This year the exemptions have dropped to \$2,000 for married and \$800 for unmarried people. Returns must be filed by people earning more than these sums. The total 1941 individual income tax will probably amount to \$1,400,000,000, \$400,000,000 more than 1940. This increase is also due to higher surtaxes, better times and new 10% defense tax.

To find out how the 8,000,000 felt about paying taxes for the first time, LIFE sent out its photographers and interviewers. Polled opinion often suffers from the fact that most opinions cost nothing. But opinion based on pocketbooks is right down to earth. And LIFE found—almost without dissent—that Americans were glad and even eager to pay income tax this year for the defense of the country.



BOOKSELLER

Mrs. Ruth Tooze is owner of The Book Shop in Evanston, Ill. She is divorced and has a 17-year-old daughter. A hardworking small business woman, she doesn't mind being in the ranks of taxpayers. "After all," says she, "we have a lot to be thankful for and we should each pay our share for this. I don't think we're even doing enough toward defense now." To pay the income tax, Mrs. Tooze is going to have to pare her budget, cut down some excess items. Maybe she will have to put off buying the new spring suit she is thinking of.



LAWYER

Franklin Chino, born in the U.S. of Japanese parents, is a Chicago lawyer. 29 years old and married, with no children. Because of the lowered exemption he will pay \$4.49 income tax this year. Mr. Chino says he is like most citizens. He doesn't like any taxes. But since some taxes are necessary, he prefers the income tax to any other because it is a direct tax and because it is levied according to the ability to pay. He thinks there will be a further lowering of exemptions next year but that is all right with him, too.



SALESMAN

Harold O. Gerson of West Sunnyside Ave., Chicago, is a camera salesman. His ambition is to specialize in taking pictures of babies less than six months old. The income tax will hit Mr. Gerson squarely in his ambition. Although his tax is small, it will probably keep him from buying some camera accessories he wants. This doesn't make him unhappy. "I'm glad to pay my share," he declares. If it comes to war, Mr. Gerson says, "Let them bring it over here and we'll give them plenty." Mr. Gerson is unmarried but says he has hopes.



Coffee Enchantment

TO MAKE YOUR FLAVOR DREAMS
COME TRUE WE PAY A PREMIUM FOR
RARER, RICHER, MELLOWER BEANS



Lift your cup of Chase & Sanborn. Its aroma floats on the air—intriguing, intoxicating, foretelling flavor. Sip its flavor—deep, rich, pungent, wholly satisfying. Smooth yet enchanting. At once exhilarating and restful. We offer it as an inspiration to wit and charm . . . a silent pledge to friendship . . . a kindler of kindness and happiness—the New Blend CHASE & SANBORN.

Listen to the Chase & Sanborn Radio Program
every Sunday on the NBC Red Network

CHASE & SANBORN COFFEE

Income tax (continued)

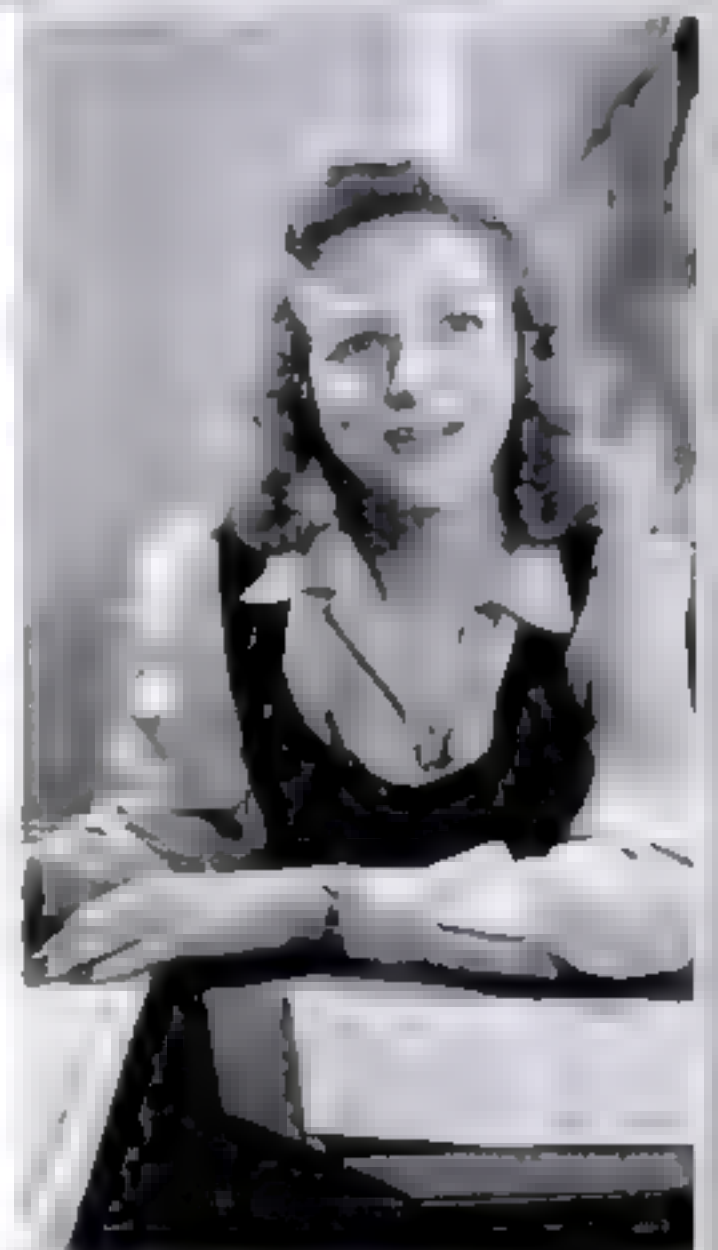


BUS DRIVER

John Cooper of Chicago won't pay much income tax, but, however much it is, he is glad to pay it. He drives a bus for Chicago Motor Coach Co., has a wife and a 12-year-old son. "The tax won't make any difference in my spending," he estimates. "I don't mind income tax if it's for the good of the country and I think it is. Mr. Cooper has been working for the company for 17 years and hasn't had a single accident for 15 years. In addition to this fine safety record he has a color dog named Starburst."

CASHIER

Merrill Foster of Normal, Ill., Chicago, is a cashier at Stevens Hotel. Last year she made more money than she ever made before. This increase, along with lowered exemptions, put her in the taxpayer ranks. She will pay only a few dollars but, as she puts it, "I'm proud I'm earning enough to pay an income tax. At any other time, I imagine people would object to the additional defense tax but now I don't think anyone does. I've always been a great penny-saver and I think my pennies will pay my tax this year."



MINISTER

George Fabian Tittman, 26, is assistant rector of the Church of St. Michael & St. George, an Episcopal church in St. Louis. The young minister's first income tax will come to about \$20. "It seems like a cheap price," he says, "to pay for the chance to work out your American ideals." When he made out his budget for the year, Mr. Tittman forgot to include income tax so he had to revise his estimates. "I'll have to cut down a little all along the line," he concluded, "but it won't be hard."



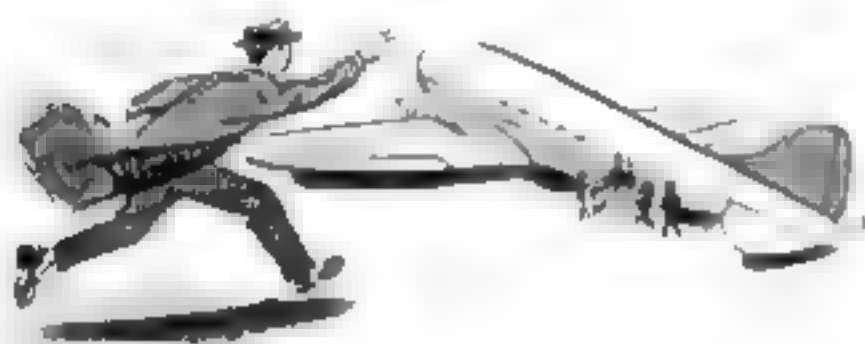
CONTINUED ON PAGE 42



statler GOES TO WASHINGTON... AND HOW!

REMARKABLE what can come out of a survey!...

For instance, in a travel survey made recently, we of the Statler Hotels learned that many of you who travel, voluntarily expressed the wish that some day—the sooner the better—there'd be a Statler in the nation's capital.



"Ha!" said we—and scurried off to Washington to check up. And you were right! Not only has Washington shown a 36% increase in population since 1930, but it is now more than ever a Mecca for both business people and tourists.

Ready for you—in '42!

Today, we're happy to report, land has been purchased, half a square block of it, on the famous "Embassy Street"—16th Street, from K to L Streets. Here, scarcely a stone's throw from the White House, the Treasury Building, the principal office buildings, and near the amusement and smart shopping sections, will arise as fine a hotel as money can build—\$8,500,000 of it!

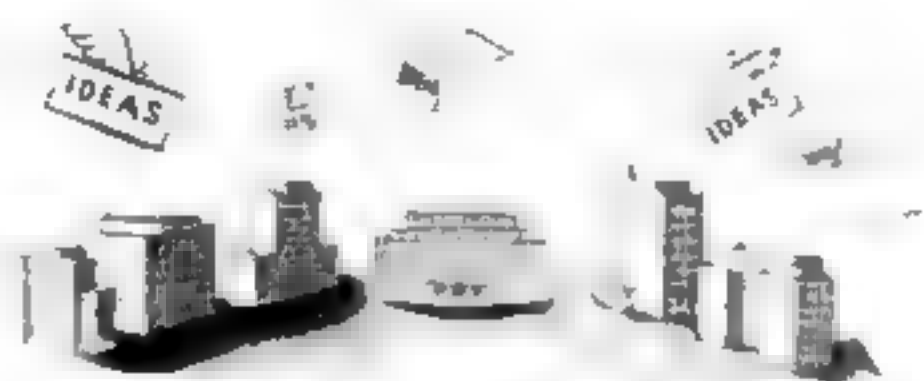
The new Washington Statler will have the many innovations, comforts, and services you now enjoy

at the seven Statler Hotels. Besides, it will bring you exciting new features: Complete air-conditioning, winter and summer—every last room! A



driveway will pass entirely through the hotel—you may alight at the main lobby entrance, the ball-room entrance, or proceed to the adjoining garage which also will have a hotel entrance.

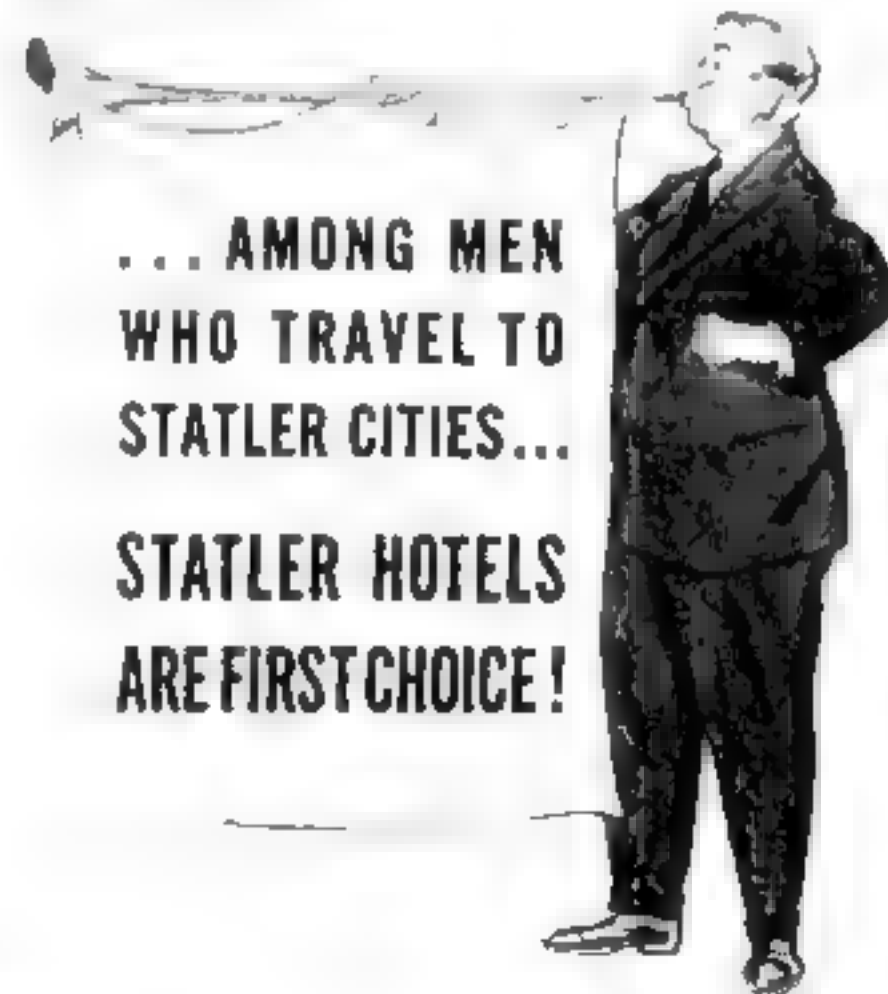
Although we are *not* running a contest, we'd be very glad to receive your suggestions for unique services or innovations for the new Washington Statler.



We're also eager to have your suggestions for new features for the present seven Statler Hotels.

For we are committed to a continuation and *enlargement* of the program on which *over five million dollars* have been spent in the last few years to make the Statlers even better than ever. Yes, exciting things are happening at Statlers!

So here's a cordial invitation—which you can't accept for some months—to visit the Washington Statler. And here's just as hearty an invitation—which we hope you'll accept immediately—to visit the *present* Statler Hotels... where your satisfaction is guaranteed. We believe you'll learn why, in a recent travel survey, this important fact stood out...



**... AMONG MEN
WHO TRAVEL TO
STATLER CITIES...
STATLER HOTELS
ARE FIRST CHOICE!**

STATLER OPERATED
HOTEL PENNSYLVANIA \$3.50
NEW YORK
HOTEL WILLIAM PENN \$3.50
PITTSBURGH

NOTHING OLD-FASHIONED
BUT THE HOSPITALITY
Statler Hotels

HOTELS STATLER IN
BOSTON \$3.50 BUFFALO \$3.00
CLEVELAND \$3.00
DETROIT \$3.00 ST. LOUIS \$2.50

AMAZING PIPE BLEND PROVED FAR RICHER!

"ONLY 1 OR 2 OF US IN MOST MIXTURES"

No "straight" or nearly straight pipe tobaccos can compare with the blend of 5 tobaccos in REVELATION!

"BUT YOU ACTUALLY TASTE FIVE OF US IN REVELATION!"

YOU TASTE the big difference in REVELATION. Analysis proves this superb five-tobacco blend is far richer in fine tobaccos than six other leading brands. For satisfying flavor . . . aperizing aroma . . . cool, no-bite smoking . . . see below why no straight or near-straight pipe-mixture can touch REVELATION:—

HORLEY
clean, cool,
even-burning!

CAROLINA
sunny mildness
and sparkle!

VIRGINIA
flavory,
natural body!

PENIQUE
champagne
of tobaccos!

LAVANIA
for spicy
rich aroma!

Today — TRY
REVELATION
PIPE MIXTURE 15¢ POCKET TIN
The Peak of PIPE SMOKING Pleasure

A Product of PHILIP MORRIS



Property damage—to houses, trees, furnishings—can be deducted if not insured. Depreciation on house is deductible if you don't live in house but collect rent from it.

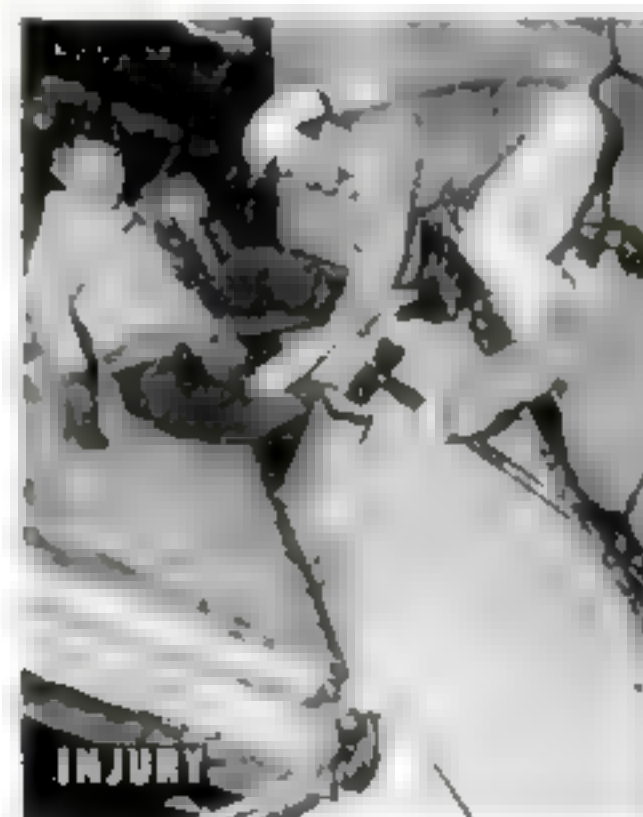
MOST TAXPAYERS DON'T KNOW WHAT TO DEDUCT

About two-thirds of the income taxpayers pay more tax than they should because they do not know how to take advantage of the perfectly proper deductions which the law allows. The Bureau of Internal Revenue will gladly give free advice but the most convenient aid to income taxpayers is a paper-bound book called *Your Income Tax* by J. K. Lasser (Simon & Schuster, \$1). More than 300,000 copies of this handy guide have been sold this year.

A few of the many permissible deductions are illustrated here. One major confusing source of deductions is taxes. You can deduct any tax which you directly pay—amusement, gasoline and sales taxes in most States. State income, etc. You may not deduct taxes that are paid by the manufacturer even though, as in case of cigars or whisky, the tax is included in the final cost.



Tools of trade, like photographer's camera, can be deducted to extent of damage.



Compensation for injuries is not taxable. Neither are accident-insurance benefits.



Dues and assessments paid to trade unions are deductible. Businessmen can also deduct, as a valid business expense, contributions to groups organized to break strikes.

DON'T JUST "DEADEN" A headache!

Get relief in these 3 important ways!



See how much more Bromo-Seltzer's triple-action does for you!

WHEN you have a headache, what you want is not a mere single-acting pain deadener that often leaves you still with a dull, sickish feeling—but something that will help make you feel more like your old self again, ready for action!

That's why millions today depend on Bromo-Seltzer for ordinary headaches. Because unlike mere single-acting pain deadeners that do only one part of the job, it helps (1) STOP THE PAIN, (2) CALM THE NERVES, and (3) SETTLE THE STOMACH. Next time, see how quickly Bromo-Seltzer helps bring you back to "par"! Keep it handy at home. Use as directed on the label.



Listen to Ben Bernie Tuesday nights

BROMO-SELTZER

*For persistent or recurring headaches, see your doctor.

When and when not to take Nujol for CONSTIPATION



● Anyone who suffers from constipation does not need to be told how this condition undermines health and vitality.

In fact, this is the reason so many people foolishly try to correct faulty elimination with harsh laxatives that upset the system. A proper treatment for ordinary constipation is NUJOL.

This pure, bland, crystal-clear mineral oil has just the right viscosity to soften food wastes so that the normal peristaltic action of the intestines can remove them easily. If constipation becomes so chronic that NUJOL is ineffective, then a physician should be consulted—as definite organic changes may have taken place which require his skill.

Don't let ordinary constipation, through neglect or mistreatment, become chronic. Get NUJOL today!

Copyright 1941, Sandoz Inc.

"I'LL BE SAFER ON *Pullman* THAN YOU TWO AT HOME!"

IT DOES NOT PAY to take unnecessary travel risks, when Rail-Pullman offers you the safest fast transportation in the world! . . . It does not pay to trust your safety to the whims of the Weather Man.

Day-and-night, winter-and-summer, Rail-Pullman speeds Mr., Mrs. and Young America on their way—comfortably, safely!

Snow, fog, ice and storm don't worry you

if you hold a Pullman ticket! All they change is the scenery out your Pullman window.

So go the safest way! The way that provides you with more comfort, more security and conveniences than any other form of travel. The way that provides you with so much more for your travel dollar.

So, go Pullman next time and get there feeling fit. And get home safely!



YOU GET THERE looking your best. Pullman gives you everything you need to make a comfortable toilet! Hot water galore, plenty of mirrors, plenty of towels, ample light. And, the women's dressing rooms have chairs and a dressing shelf.



Travel on new Credit Plan. Ask your ticket agent about it. Pullman service also available over certain routes in Canada and Mexico.

TRAVEL "1ST CLASS"... That means Go

Pullman

7 Great Pullman Travel Advantages:

SAFETY many-times-greater than any other form of transportation. On Rail-Pullman you're protected every minute by the country's greatest safety system.

DEPENDABILITY and convenience unmatched! Fast, frequent schedules. . . . Hundreds of Pullman trains serve America every day regardless of the weather.

SLEEP, undressed, in a real bed—just as you do at home. Feel refreshed next day!

"HOME-LIKE" COMFORTS. Completely-equipped dressing rooms. Individual toilet facilities in private rooms. Principal trains carry club cars.

SERVICE—courteous, efficient, hospitable.

PRIVACY freedom from unwelcome intrusions. Your accommodation is your own—you don't have to share it with anybody!

ROOMINESS room to "stretch out." Room to take it easy and move about. Ample space for personal luggage, without extra charge.



Lovely Rita Hayworth, Popular Columbia Star, visits the Van Meter Stockdale Kennels in Van Nuys, California, to choose one of these famous Cocker Spaniel "aristocrats."

RITA HAYWORTH BUYS A COCKER

Famous Stockdale Kennel Man Gives Feeding "Laws"

Now another star finds her favorite "blue blood" Cocker Spaniel at the Stockdale Kennels of C. B. Van Meter—famous for prize-winning dogs. "How can I keep him as healthy and happy, as bright-eyed and glossy-coated as he is now?" Rita Hayworth asks this great West Coast dog expert.

"Remember," says Mr. Van Meter, "vitamins are the keys to dog health. Dogs must have vitamins for good bone and teeth, strong muscles and a healthy shining coat. I always say feed Ken-L-Ration—and you'll be sure your dog gets the vitamins he needs. In fact, the new Ken-L-Ration has a generous vitamin bonus—and it's made with good, lean meat, GOVERNMENT INSPECTED as carefully as the meat on your own table!"

Science Finds Vitamins Essential to Dog Health in New Ken-L-Ration



Independent laboratory assays show Ken-L-Ration is rich in the vitamins science calls essential to good coat, rugged bone and muscles and resistance. Now, in addition, Ken-L-Ration has added several new vitamins* which many leading scientists believe may be the key to a new high standard in health for dogs. By feeding Ken-L-Ration your dog gets the vitamins of tomorrow, TODAY! No wonder so many of America's foremost dog authorities feed and advise Ken-L-Ration—the great dog food leader. Get this great new food for your dog—Ken-L-Ration! It costs no more—at your grocer's now!

*Some of these vitamins in recently isolated they have not been given vitamin names, but are known to science as vitamin "factors."

KEN-L-RATION

The Food of Champions



Mail Coupon for NEW FREE BOOKLET!

CHAPPEL BROS. INC.
407 Peoples Avenue, Rockford, Illinois

Gentlemen, Please send me your new FREE booklet with latest facts on training, feeding and caring for my dog. I understand it contains information valuable to every dog owner.

Name.....

Address.....

City..... State.....

Income tax (continued)



DAMAGED LIVESTOCK

Dead cows are deductible provided value of cow is not collected from culprit or insurance company. Auto owner can deduct damage to car if accident was not his fault.



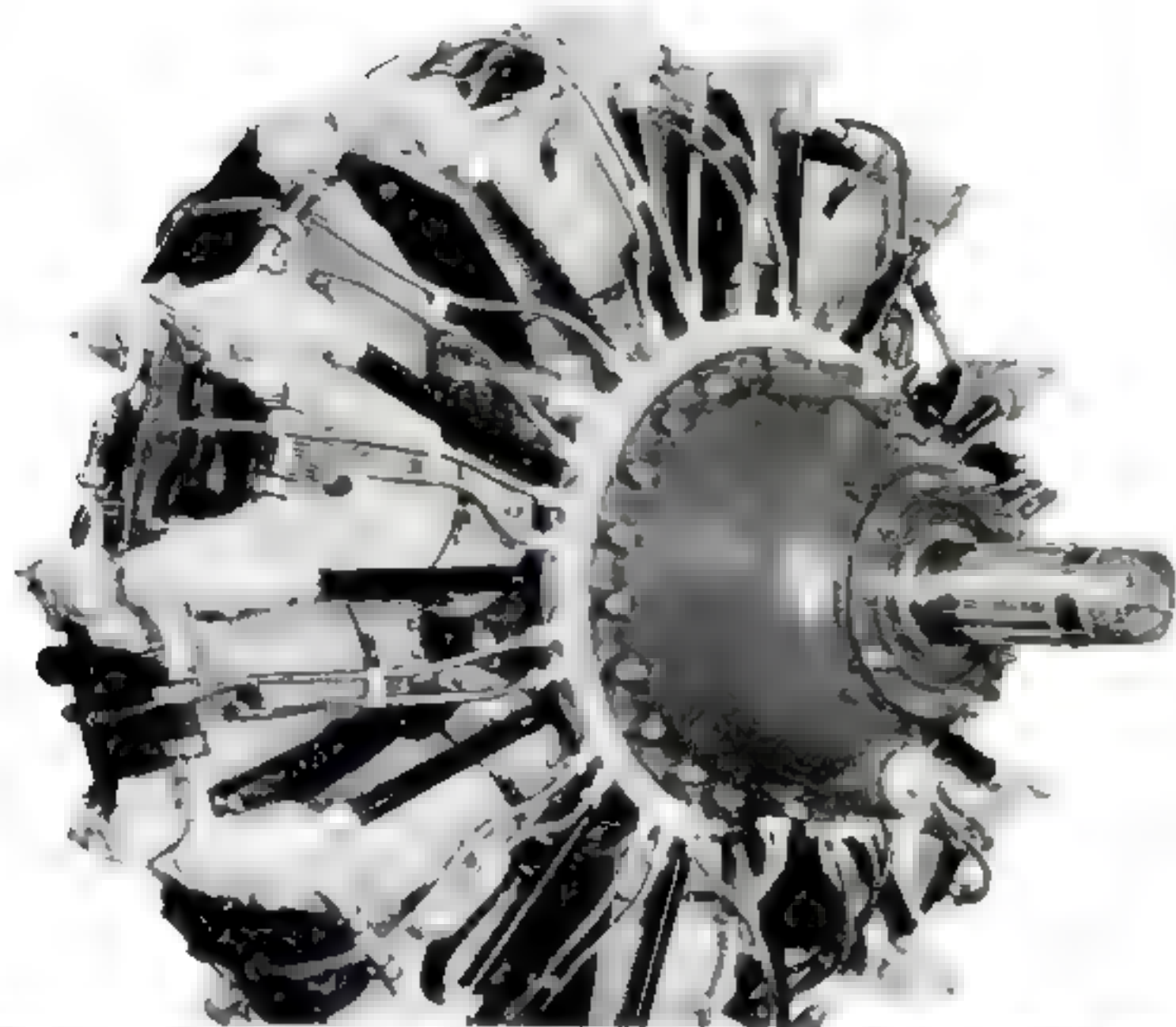
BUILDING BUSINESS

Convention expenses are deductible provided attendance at the convention was a legitimate business expense. Political or fraternal convention expenses don't count.



UNIFORMS & COSTUMES

Stage clothes are deductible for Gypsy Rose Lee. Actors, jockeys and baseball players can deduct cost of their uniforms if they paid for them. Nurses and barbers can't.



WHAT ABOUT *aircraft engine production?*

UNITED AIRCRAFT CORPORATION

EAST HARTFORD • CONNECTICUT



PRATT & WHITNEY
ENGINES



VOUGHT-SIKORSKY
AIRPLANES



HAMILTON STANDARD
PROPELLERS

The Pratt & Whitney Aircraft Division of United Aircraft, one of the two largest engine manufacturers in the United States, answers below the questions most frequently asked about its engine production.

★ ★ ★

► **How fast is your engine production increasing?**

During 1940 Pratt & Whitney Aircraft built more than twice as many engines as in 1939. During 1941 we shall more than double again our last year's output.

► **How has this increase been achieved?**

By rapid expansion of plant, personnel and machinery—plus similar expansion of subcontracting. Since 1939, Pratt & Whitney has doubled and redoubled its factory area, and increased its personnel from 3,000 to nearly 15,000 employees. Five hundred subcontractors and suppliers furnish finished parts and raw materials.

► **Are you producing engines for both Great Britain and the United States?**

Yes. Most people do not realize it, but for months a large percentage of our engines has been shipped to Great Britain. In addition to these continuing requirements we are now producing large quantities of engines for the American defense program.

► **Are you producing engines fast enough to meet airplane requirements?**

Yes, despite heavy shipments abroad. The total engines delivered to American airplane manufacturers by Pratt & Whitney in 1940 was well above total requirements. There were, however, minor shortages in two types amounting to less than one day's production, but we were well ahead of requirements in all other types.

► **Will mass-production help to increase output?**

True mass-production is not yet feasible for building aircraft engines. Remember that the aircraft program, big as it seems, is still dealing with thousands per year—whereas automobile mass-production deals with millions. Furthermore, mass-production, by its very nature, calls for "freezing" of specific designs. This is impractical in so rapidly advancing an art as aircraft design, particularly in war time when engineering changes are frequently essential to maintain tactical superiority.

► **Will the automotive industry be a factor in production?**

Yes, as soon as automotive manufacturers are able to build and equip new plants, train new personnel, and adjust themselves to aircraft methods. In this program we are cooperating in every possible way. Meanwhile, for at least a year the existing aircraft industry must supply the nation with the bulk of its engines.

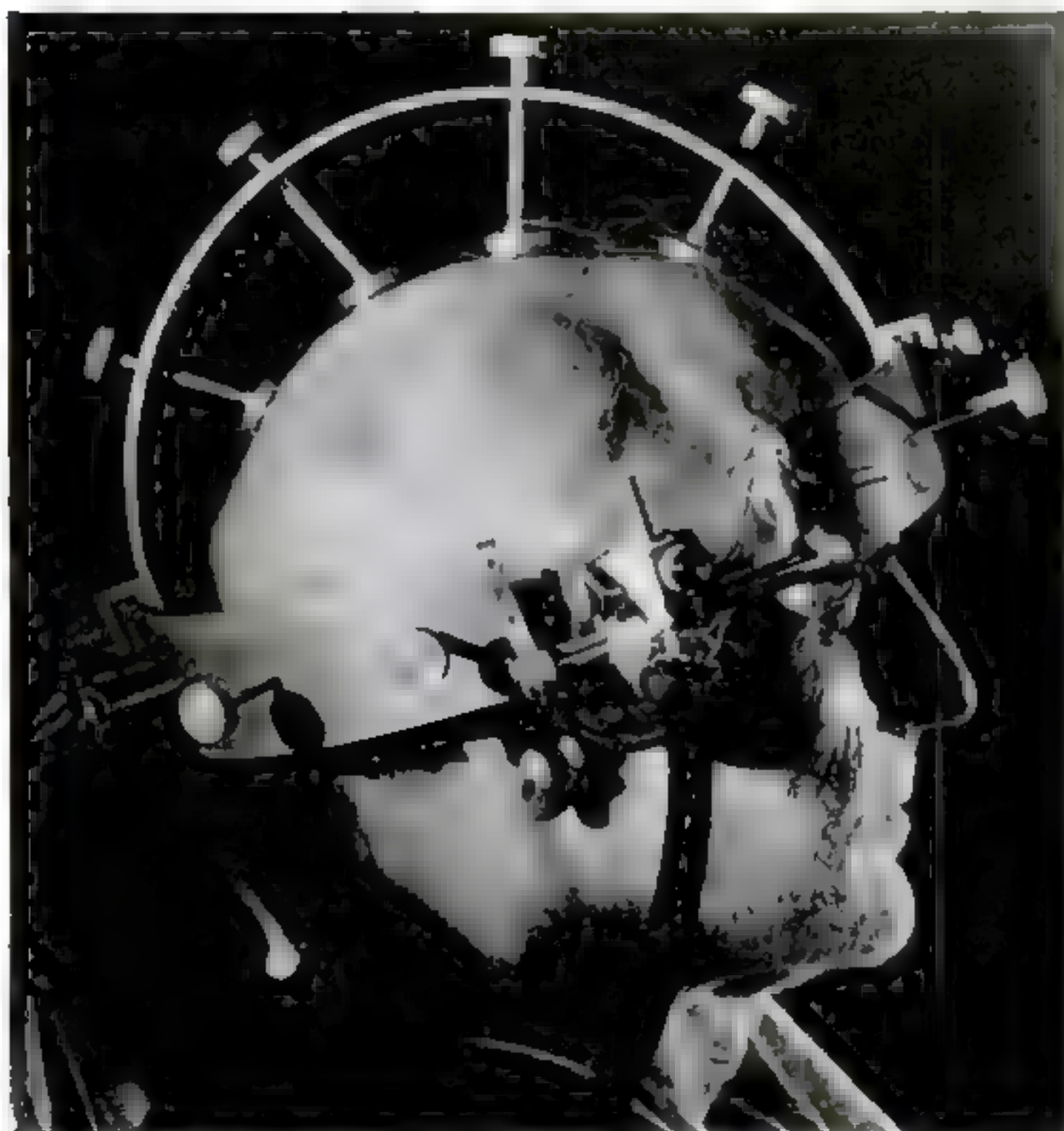
► **How big is the job ahead?**

During the two fiscal years ending June 30, 1942, Pratt & Whitney is facing the task of producing more aircraft engines than were produced during the first World War by *all* American manufacturers, including ten in the automotive industry.

► **Can it be done?**

We are confident that it can, but the job will not be easy. We must again double our production. We must install more machinery, train five to ten thousand new employees, and increase our operating efficiency still further. But with the continued cooperation of our employees, subcontractors, and suppliers, we believe that Pratt & Whitney Aircraft will meet its obligations to the nation.

TO MEASURE THRESHOLD OF PAIN FROM HEAT, A STRONG HEAT LAMP IS FOCUSED ON HAND OR ON FOREHEAD. SKIN IS BLACKENED TO REDUCE HEAT LOSS BY REFLECTION



Pain in migraine headache is caused by dilation of head arteries, particularly the temporal. Pain recedes as artery caliber is reduced. Device here measures amplitude of arterial pulsations.

PAIN

RESEARCHERS AT NEW YORK HOSPITAL DISCOVER
THAT EVERYONE IS EQUALLY SENSITIVE TO IT

All people, of all ages and both sexes, no matter how they react and no matter how sensitive or insensitive they think they are, have exactly the same sensitivity to pain. This is one of the basic discoveries of the first laboratory devoted to the study of pain in human beings, established five years ago by Cornell Medical College at the New York Hospital. Researchers have investigated pains of all kinds, headaches and stomach aches and pain from heat and cold.

The pain threshold, to which all people are subject, was measured quantitatively by means of a powerful heat lamp focused on hands or forehead. The least amount of heat necessary to produce the first sensation of pain was established as .21 gram calories per second, per square centimeter of skin exposed to the light.

By means of this technique for quantitative measurement of pain perception, it was also established that pain, unlike the sensations of sight, smell or touch, does not "add up." The threshold is the same whether a large or small area of skin is exposed. And the total pain, when two areas are exposed, is felt not as the sum of two pains but only with the intensity of the stronger one. Pain stimulus is carried via special sets of nerve fibers as an independent sensation and not merely as an intensified perception of heat or cold. This was demonstrated by administration of aspirin, which intensified the skin sensitivity to heat and at the same time dulled its sensitivity to the pain.

CONTINUED ON PAGE 49

RIDE IN A NEW PLYMOUTH BEFORE YOU

DECIDE!

Discover for yourself on the Road why so many Thousands of New-Car Buyers are Switching to the New Plymouth in 1941



The new Plymouth has a 117-inch wheelbase—longest of "All 3" low-priced cars. It is big in appearance, big in roominess.

You enjoy new High-Torque Performance with new power-gearing. You have new mastery of hills, distance, traffic—less shifting!

Plymouth gives you greater value throughout...finer engineering features...higher resale value!

You save money with Plymouth's low 1941 price. Plymouth is actually lowest-priced of "All 3" low-priced cars on many models!

TRY its new performance—try its smooth new ride—and you'll want the bigger value this brilliant new Plymouth gives you! With Plymouth's new High-Torque Performance and new power-gearing, you enjoy a new sense of tremendous power under perfect control. You do less gear-shifting!

You get new Safety Rims on wheels, an Oil Bath Air Cleaner, High-Duty Engine Bearings, a choice of colors—on all models!

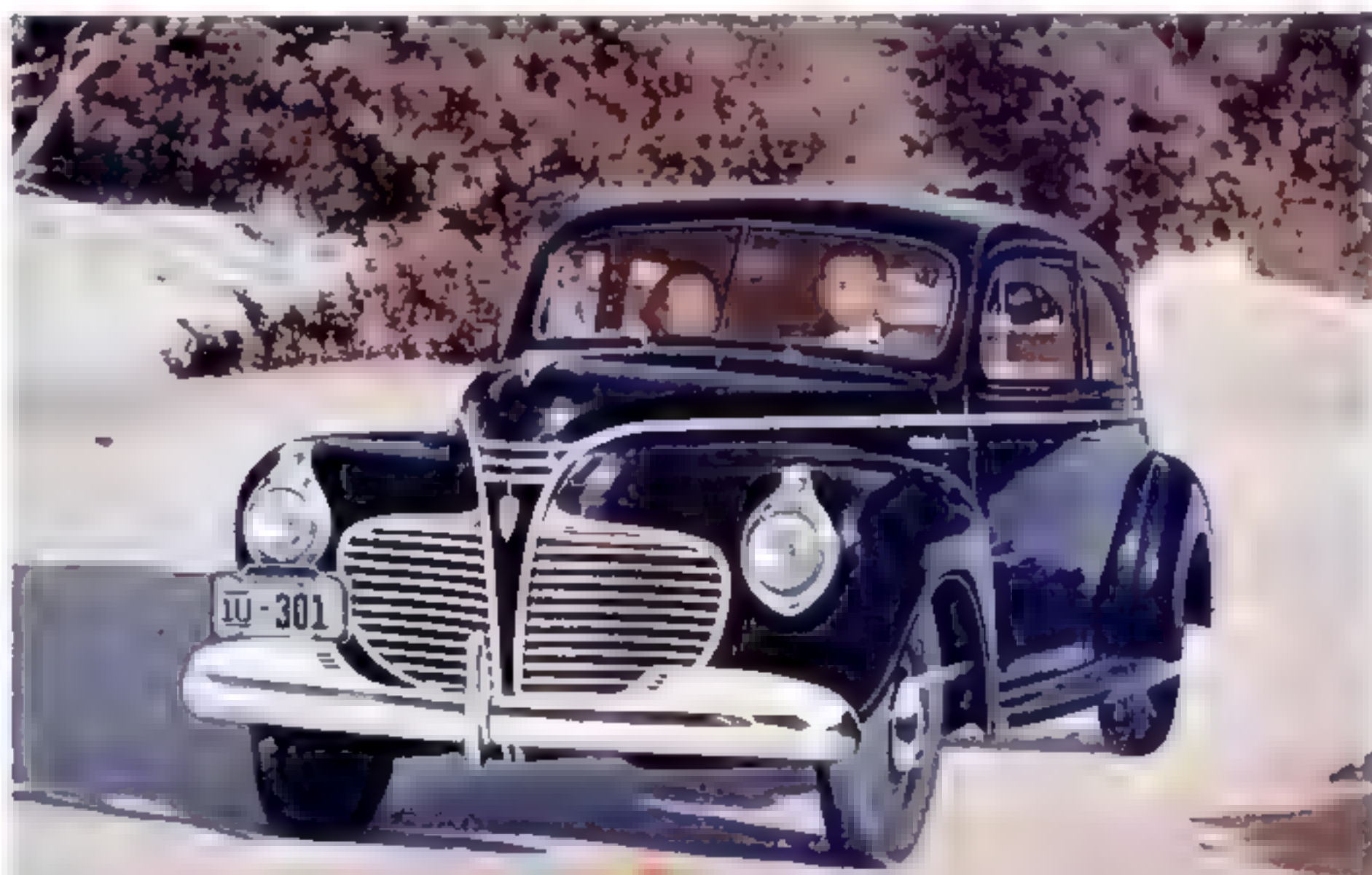
See this great new Plymouth at your Plym-

outh dealer's. Compare features of "All 3" low-priced cars on the 1941 Quality Chart. Ride Plymouth—and you'll buy it! Plymouth Division of Chrysler Corporation.

SEE THE BIG, NEW LOW-PRICED PLYMOUTH COMMERCIAL CARS! TUNE IN MAJOR BOWEN, C. B. S., THURSDAYS, 9-10 P. M., E. S. T.

LOOK AT 1941 PRICES OF "ALL 3" Plymouth is easy to buy! Your present car will probably cover a large part of the low delivered price...balance in low monthly instalments.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



"RIDE IT—

PLYMOUTH
BUILDS GREAT CARS

AND YOU'LL BUY IT"



Tomorrow I'll be a wife

TOMORROW AT THIS TIME I'll be married.

It's silly to be so happy. You'd think I was still a school girl. Remember when Nora was married and came down the aisle weeping? I thought that I'd never get so wrought up. And here I am ready to cry already.

It's only that everybody's been so kind and sweet. Not only Jimmy, but everybody. Dad and Mother. All the crowd I knew in school. Even Aunt Helen, and I always thought she was next door to a witch.

They've done everything just the way I wanted it. The church, the flowers, my going away things. They even took me seriously when I said I'd rather have a little sterling

silver than a lot of anything else.

Maybe I'm sentimental about it, but I don't think so. I know exactly how happy with second bests. It's not that I want to impress people when I get married. I suppose there's a little of that in me. But it's mostly that I'll feel better about starting out with a few nice things rather than with a houseful of makeshifts.

I like the things that get nicer and more valuable the longer you live with them. And that's the way it will be with our new International Sterling.

It will give character to our little house, more than anything else we could buy. Jim-

my deserves the nicest background. And I want to give it to him always.

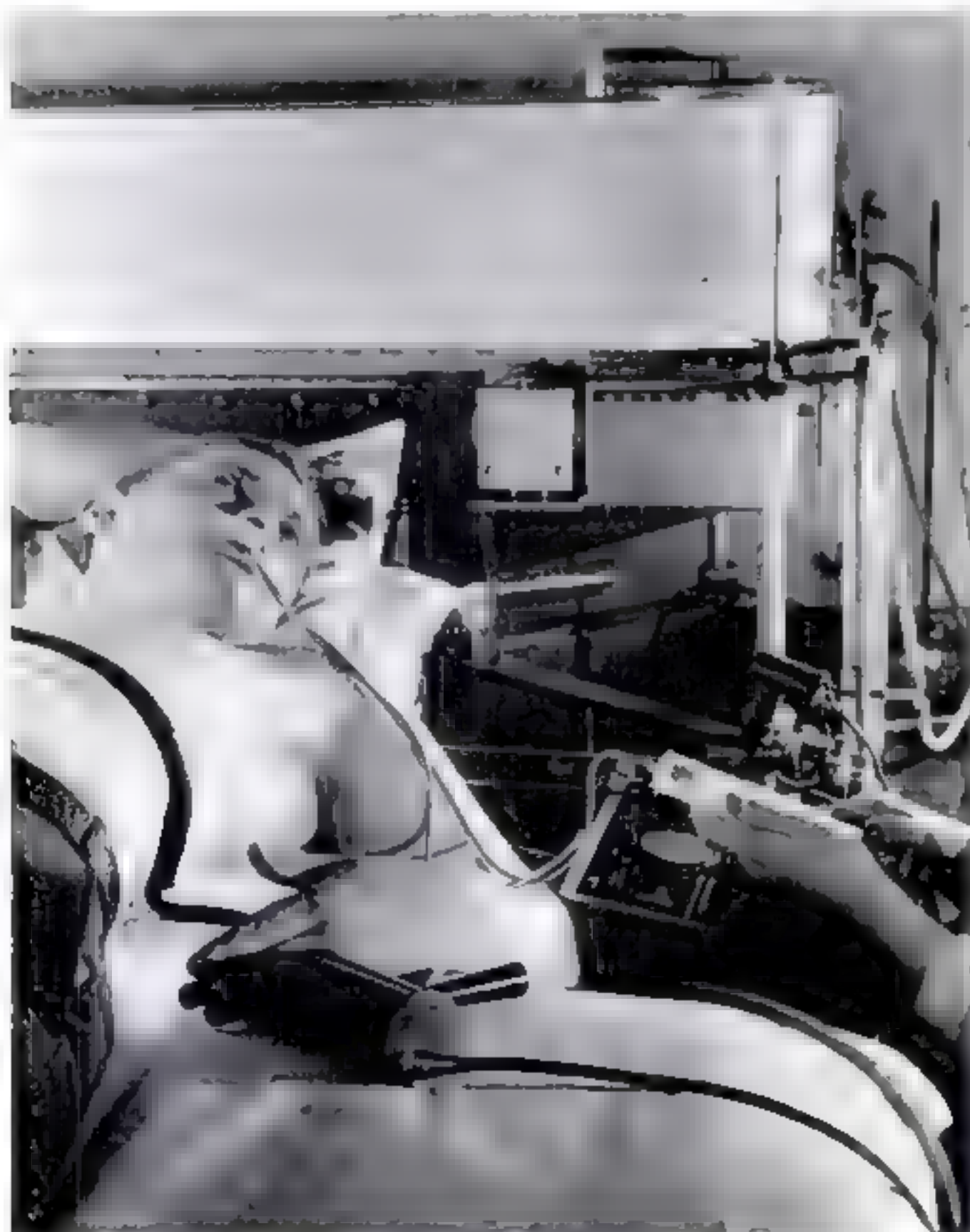
One of the most treasured of wedding sterling is International's lovely solid silver, designed and made by the foremost silver house in the world. Each perfect piece and pattern reveals the affectionate skill of famed New England silversmiths, whose predecessors made spoons of coin silver a century ago.

International Sterling is luxurious but not expensive. A handsome service for four costs only \$68. You can make a start on your family silver for as little as \$16.75. Ask to see the full line of patterns at your jeweler's.





Pain from cold is perceived in 10 to 15 seconds after immersion in bucket of 32° F. ice water. Peak of pain is reached in about one minute and is followed by numbness. Pain appears to be distinct from cold sensation, since nerves carrying cold sensation can be blocked without blocking the pain. No objective and quantitative method, such as worked out for heat, has yet been developed for cold-pain observations.



Pain in stomach of patient suffering peptic ulcers or gastritis is shown by this procedure to be related to emotional states. Tubes through nose to stomach help register contractions of stomach and acidity. Typical emotions of anxiety or anger bring an increase in acidity and in the number and amplitude of contractions, followed by pain. Note the jump in top line of the graph, showing intensification of contractions.

CONTINUED ON NEXT PAGE

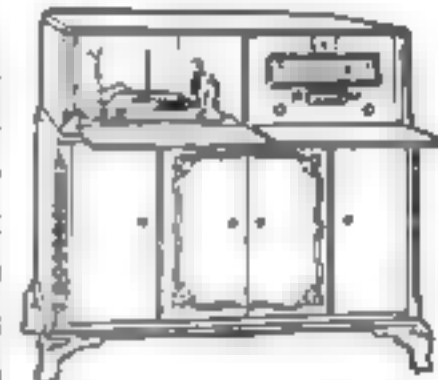


"I DON'T BELIEVE IT"

THE NEW SPARTON WAY OF BUYING RADIOS Offers Sensational Values

HARD TO BELIEVE! Such amazing radios and radio-phonograph combinations for so little money. But thousands of happy families have bought their new radios "The Sparton Way"—from dependable, exclusive Sparton dealers. You, too, should take advantage of this new plan.

Sensational low prices—full-value prices*, advertised in Life—that bring entirely new values to radio. Small wonder the leading stores in the country were quick to join with



Sparton in bringing to the public more radio for the money than was ever possible before, under old distribution methods. And all this backed by the Sparton name for quality—"Radio's Richest Voice" since 1926.

So be sure to see your exclusive Sparton dealer. There's *only one* in each community—those listed below, and hundreds conveniently located in neighboring points. See and hear the amazing new Sparton radios of every type! Save "The Sparton Way!"

*Spats on values do not allow trade ins.

SPARTON

"Radio's Richest Voice"

SINCE 1926

THE SPARKS-WITHINGTON COMPANY, JACKSON, MICH.

MANUFACTURERS OF RADIOS AND AUTOMOBILE HORNS

— PARTIAL LIST OF EXCLUSIVE DEALERS IN CITIES OVER 100,000 —

AKRON, OHIO
The C. H. Yeager Company
ALBANY, NEW YORK
Albany Garage Company
ALBANY, N.Y.
Hox Brothers
BALTIMORE, MARYLAND
Hox Brothers
BIRMINGHAM, ALA.
Court Pierce Dry Goods Company
BOSTON, MASSACHUSETTS
Baymont's, Inc.
BUFFALO, NEW YORK
Lewy's, Inc.
CHATTANOOGA, TENN.
Lookout Furniture Co.
CINCINNATI, OHIO
The Fair Store
CLEVELAND, OHIO
Hoyce Company
DAYTON, OHIO
The Rike-Kamley Company
DENVER, COLORADO
Lorenson Motor Company
DETROIT, MICHIGAN
The J. L. Hudson Company
ELIZABETH, NEW JERSEY
Kresge Dept. Store
ERIE, PENNSYLVANIA
Reliable Home Furnishing Company
FALL RIVER, MASS.
Bailey & Grant, Inc.
FLINT, MICHIGAN
Flem Furniture Mart
FORT WAYNE, INDIANA
Schlauer Hardware Co.
FORT WORTH, TEXAS
Leonard Bros. Company
GRAND RAPIDS, MICHIGAN
Wardlaw's

HARTFORD, CONNECTICUT
F. J. Bell
HOUSTON, TEXAS
Lack & Ann Supply
JACKSONVILLE, FLORIDA
Glover W. H. Company
JERSEY CITY, NEW JERSEY
Vim Stores
KANSAS CITY, KANSAS
Maize Jones Co.
KANSAS CITY, MISSOURI
Jones White Company
KNOXVILLE, TENN.
S. H. George & Sons
LONG BEACH, CALIFORNIA
Emerson, Inc.
LOS ANGELES, CALIFORNIA
Eastern Columbia, Inc.
LOUISVILLE, KENTUCKY
J. Basso & Sons
LYNN, MASSACHUSETTS
P. B. Magrane Store
MEMPHIS, TENNESSEE
B. Loveston & Bros., Inc.
MILWAUKEE, WISCONSIN
Atlas Good Housekeeping Shops, Inc.
MINNEAPOLIS, MINN.
Day on Go
NASHVILLE, TENNESSEE
Castner-Knott Dry Goods Company
NEWARK, NEW JERSEY
Kresge Dept. Store
NEW JERSEY
At all V. M. Stores
NEW ORLEANS, LA.
A. C. Denny
NEW YORK, NEW YORK
At all V. M. Stores
Spear & Company
OAKLAND, CALIFORNIA
L. A. Ford & Co.

OMAHA, NEBRASKA
Paramount Radio Shop, Inc.
PATERTON, NEW JERSEY
V. M. Stores
PHILADELPHIA, PA.
N. Schellberg & Co.
PITTSBURGH, PA.
Kaufmann's
PORTLAND, OREGON
Hewer & Frank Company
READING, PA.
Goldman & Adams
ROCHESTER, NEW YORK
E. W. Edwards & Son
ST. PAUL, MINNESOTA
The Emporium of St. Paul
SAN DIEGO, CALIF.
Grand Rapids Home Furnishing Co.
SAN FRANCISCO, CALIF.
Union Furniture Company
SEATTLE, WASHINGTON
MacDougal's
SPOKANE, WASHINGTON
The Crocker
SYRACUSE, NEW YORK
E. W. Edwards & Son
TACOMA, WASHINGTON
The People's Store
TOLEDO, OHIO
The Lion Dry Goods Company
WATERBURY, CONNECTICUT
Hampson, Minnie & Abbott, Inc.
WICHITA, KANSAS
Crook Furniture Company
WORCESTER, MASS.
C. T. Sherer Company, Inc.
YONKERS, N. Y.
Seidman Music House

You may worry about the dog



but here is one worry you can avoid

A puppy is a bit of a worry and needs watching. But you don't have to worry about your car's chassis lubrication, or watch to see if every point is lubricated, if you remember *one* word: Marfak.

Marfak means Texaco's 40-Point Chassis Lubrication Service. Marfak, no ordinary grease, means a lubricant specially made to *stick to its job*.

Marfak means application—not by chance, but by chart, so no points are missed. And those who apply Marfak are trained in a special Texaco lubrication school.

Next time you see the red and white sign, "Let us Marfak Your Car", remember, that's the place to park your lubrication "worries". At all Texaco and other good dealers everywhere.



TEXACO'S 40-POINT CHASSIS LUBRICATION SERVICE

AT ALL TEXACO AND OTHER GOOD DEALERS



FRED ALLEN in a full-hour program every Wednesday night, CBS, 9:00 E.S.T., 8:00 C.S.T., 10:00 M.S.T., 9:00 P.S.T.

METROPOLITAN OPERA every Saturday afternoon, NBC. See local newspaper for time and station.



Pain (continued)



Needle electrodes in shoulder muscles record potentials produced by muscle tension. Tension in these muscles, resulting from emotions, is important headache factor.



Electromyograph (foreground) makes records of muscle potential on strip of paper. No pain or tension is produced as needles in muscle are pushed through skin.



Myograph record shows electric potential produced by tension in the right and left shoulder muscles. Potential in muscles is much stronger than brain-wave potential.

ALL CARS ALIKE ? *NOT ON YOUR TINTYPE !*

JUST DRIVE THE GREATEST
PERFORMER OF THEM ALL
1941 HUDSON



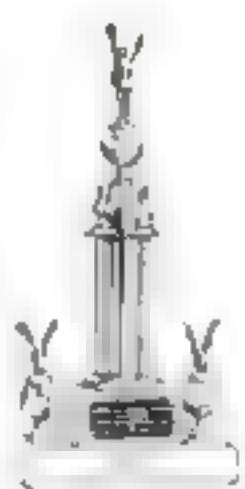
AMERICA'S SAFEST CAR

The big, 92-horsepower Hudson Six Touring Sedan pictured above is one of the lowest priced sedans on the market

DIFFERENT IN 5 IMPORTANT WAYS!

① All Cars Alike In SAFETY?

If they are, how is it that Hudson won the 1941 Safety Engineering Magazine Award (pictured at right) for safest body design—with the first perfect score ever recorded? How is it that Hudson alone has finest hydraulic brakes *plus* a reserve mechanical system working automatically from the same foot pedal if ever needed? Just one of many great safety features you'll find only in AMERICA'S SAFEST CAR!



③ All Cars Alike In BEAUTY?

Take a look at *Symphonic Styling*—the big new style idea you can get *only* in a Hudson! Here's the first low priced car that ever offered a choice of beautiful interior color combinations that harmonize with exterior colors (even to such details as carpets and floor mats) —at no extra cost. No wonder Hudson owners are a mighty proud bunch of people!

② All Cars Alike In EASY DRIVING?

Forget the clutch pedal! Just try driving a Hudson with Vacuum Drive! Go, stop, back up—without ever touching the clutch pedal! Costs less than any other feature that completely eliminates clutch pedal pushing*, and no other car priced so low as the new Hudson Six offers anything like it. And while you're at it, see how much easier driving is with Hudson's true Center-Point Steering and new Synchronized Silent Mesh Transmission!

*Only \$27.50 extra, installed at factory.

④ All Cars Alike In COMFORT?

Ride on Hudson's improved type of independent front wheel coil springing—and feel the difference! Discover the luxury of Airfoam Seat Cushions—available in all 1941 Hudsons, standard in many. And year-round comfort with Hudson's Weather-Master—warm in winter, cool in summer, no drafts, no fogged windows, no drowsiness from stale air.

⑤ All Cars Alike In ECONOMY?

If they were, how could a big 92-horsepower Hudson Six win in its price class in the 1941 Gilmore Grand Canyon Economy Run—with more miles per gallon than any other entry in the run except two short-wheelbase, low-powered cars in another price class? For brilliant performance with year-after-year economy, you can't beat Hudson—holder of nearly 150 official performance and endurance records.



Gilmore
Grand Canyon
Economy Trophy

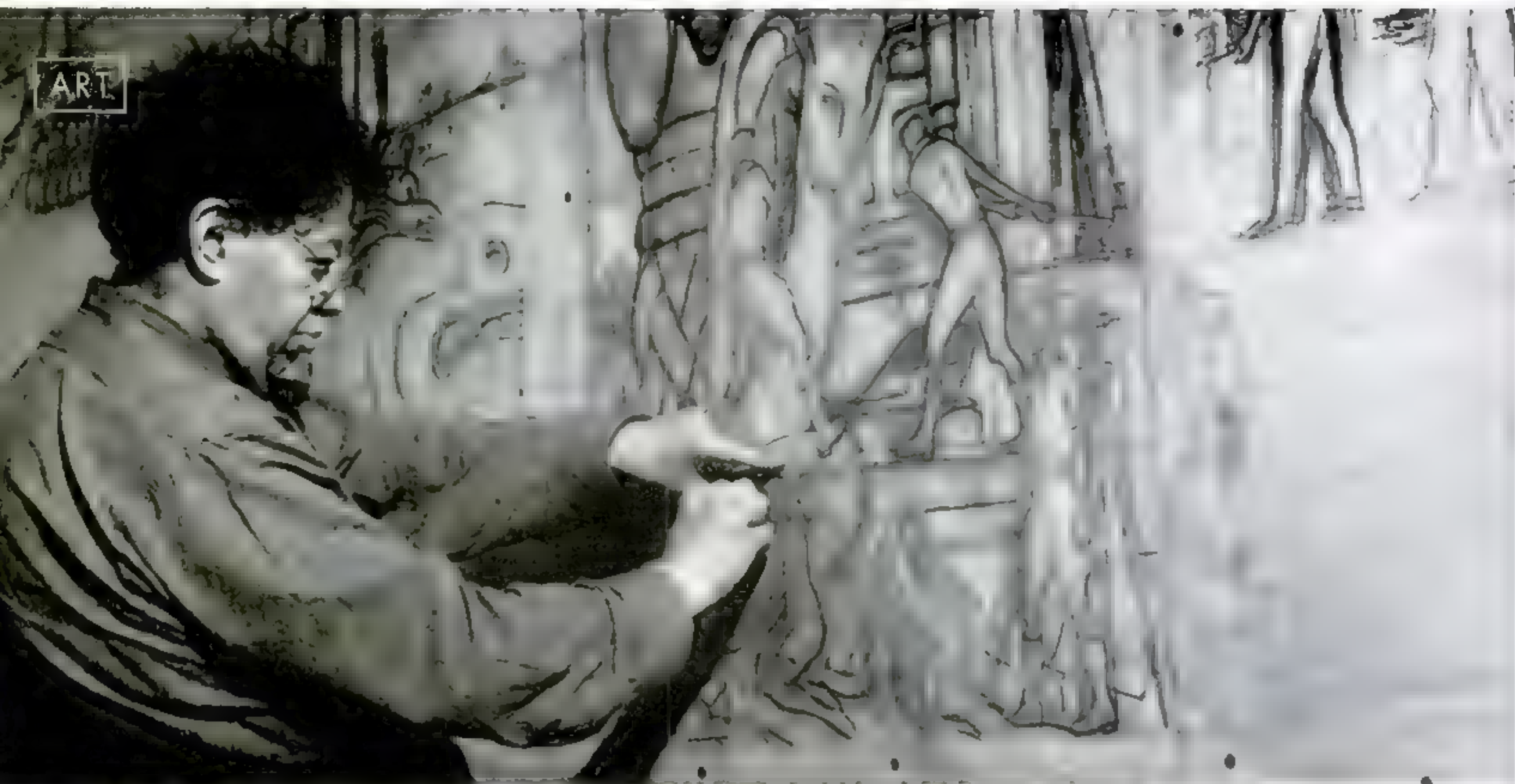
**LOWEST PRICE
IN AMERICA
FOR ALL THIS SIZE
AND POWER**

You'll be astonished at the low price for which the nearest Hudson dealer can deliver a big, beautiful 1941 Hudson (Six or Eight). See him—for a deal you can't afford to miss!

And remember:

**HUDSON PRICES START IN THE
LOWEST PRICE FIELD**

From its 31 years of engineering leadership, Hudson brings you the richly luxurious new Commodore models, finest cars ever to wear the Hudson nameplate . . . the brilliant new Super-Six . . . and the new Hudson Six in the lowest price field. A new high in automobile value in every important price class. Come for a look . . . go for a ride . . . today!



THIS IS DIEGO RIVERA, NOTED MEXICAN MURALIST, STARTING MURAL AT SAN FRANCISCO FAIR LAST SUMMER. HE WAS HIT OF THE "ART IN ACTION" SHOW (LIFE, OCT. 16)

Diego Rivera

His amazing new mural depicts Pan-American unity

Divided on the next four pages is the first close-up in color of Diego Rivera's new mural which he painted for San Francisco's Junior College. To help you identify the celebrities and see the sights in this jam-packed but beautifully organized work, LIFE provides a numbered diagram below on this page.

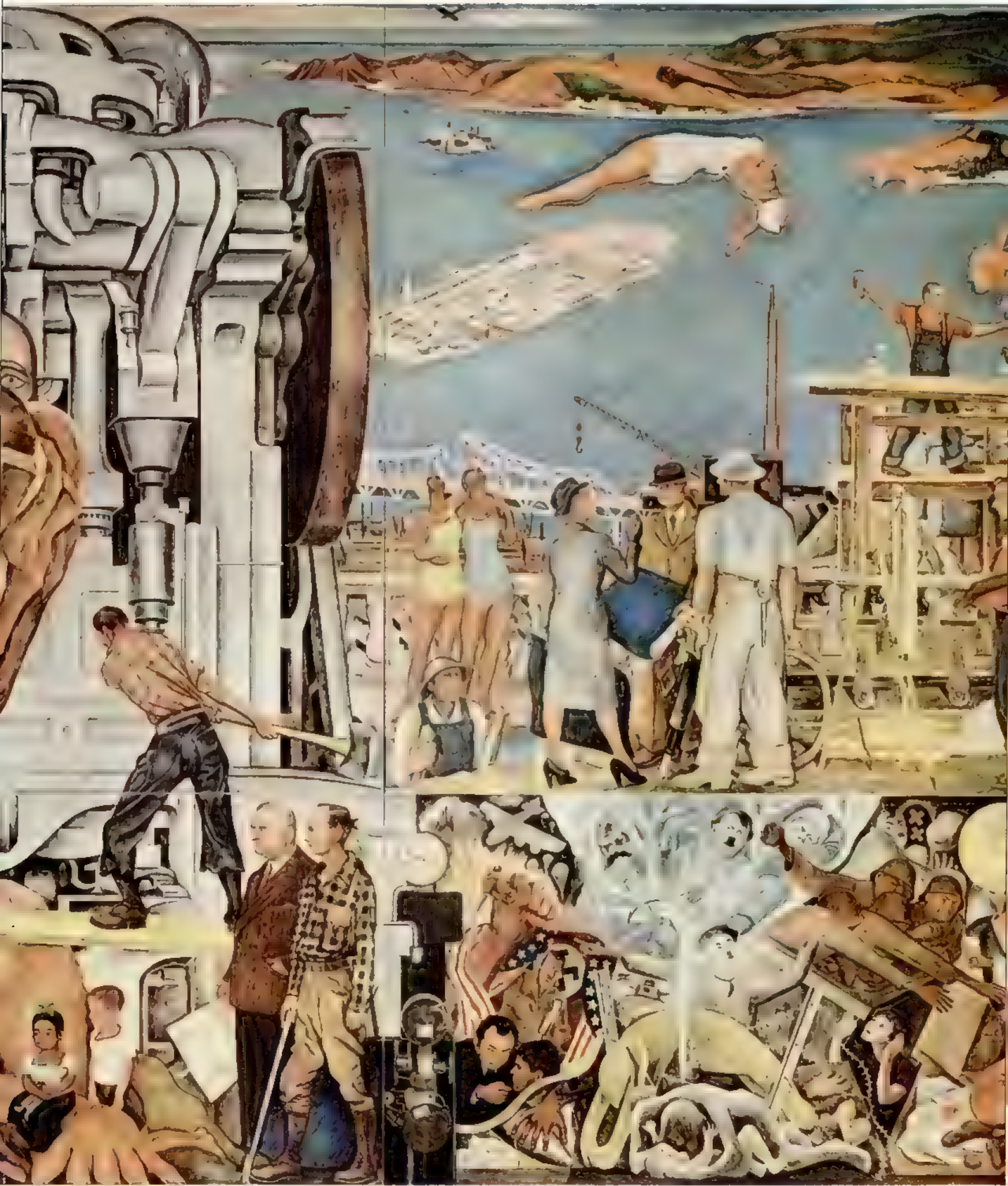
According to Rivera, his mural represents "the necessary combination of southern art forms and northern industrial genius for perfection of art." This combination is epitomized by a serpent-fanged machine god in center panel. Piled pell-mell around it are statesmen, inventors, personal friends of Rivera, shots from his favorite movies: Charlie Chaplin, *The Great Dictator*, Ed G. Robinson in *Confessions of a Nazi Spy*. Asked why he painted himself holding hands with Movie Star Paulette Goddard, he explained, "It means closer Pan-Americanism."

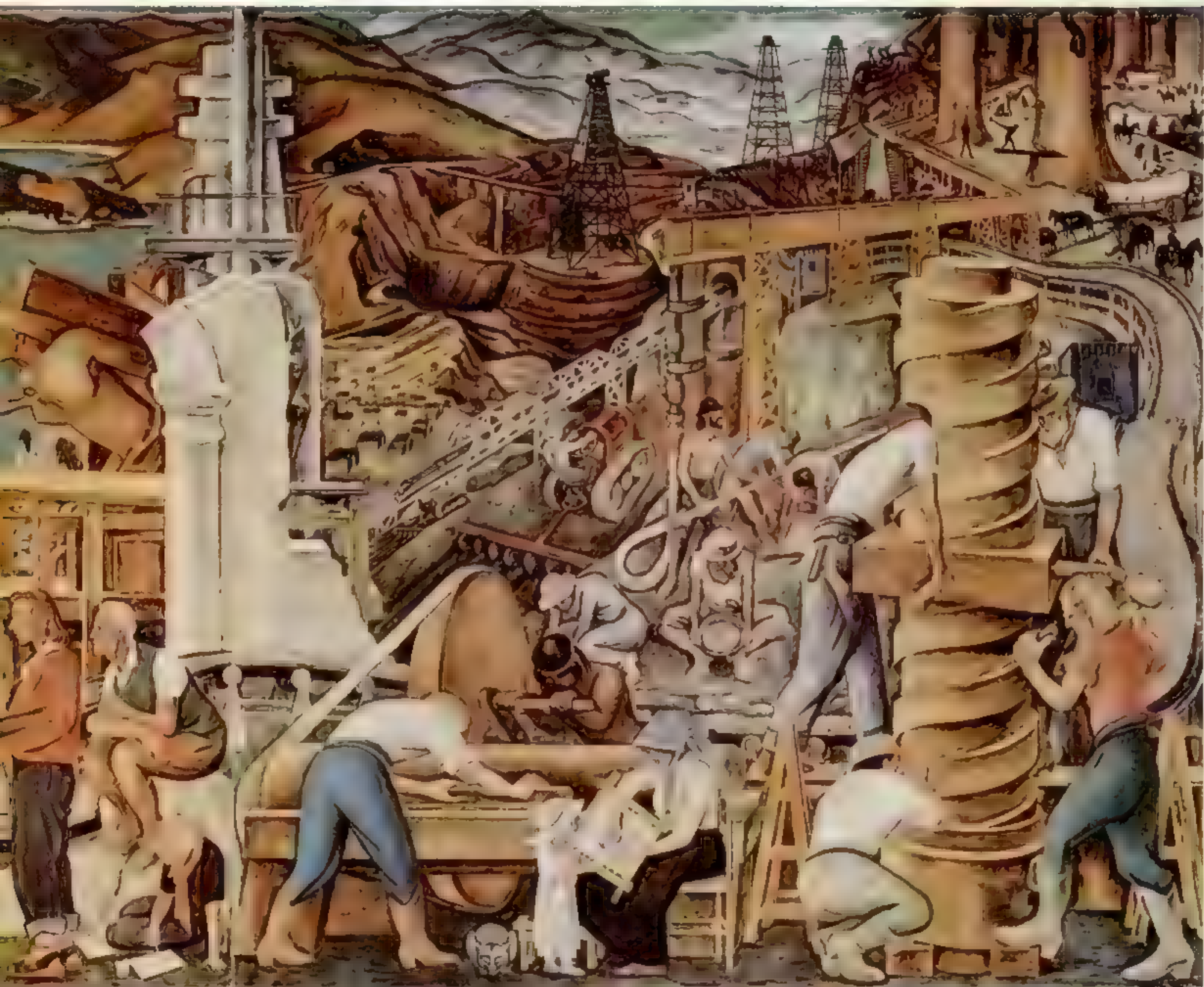
- | | | | | | |
|-----------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|----------------------------|
| 1 Aztec glider inventor | 11 Bolivar | 21 Sports-loving Americans | 31 Half god, half machine | 41 Edward G. Robinson | 51 Jack O'Leary |
| 2 Temple of Nahuiatl | 12 Morelos | 22 Assistant Mona Hoffman | 32 Sculptor Dudley Carter | 42 Francis Lederer | 52 Mount Lassen |
| 3 Aztec priest & disciples | 13 Hidalgo | 23 Hand of Earth Goddess | 33 Rivera's child model | 43 Stalin | 53 Henry Ford |
| 4 Mount Popocatepetl | 14 Washington | 24 Mexican woman potter | 34 Rivera's assistant's son | 44 Hitler | 54 Thomas Edison |
| 5 Cuernavaca silversmiths | 15 Jefferson | 25 Mrs. Diego Rivera | 35 Timothy Pflieger | 45 Mussolini | 55 Albert Renger |
| 6 Yaqui Deer Dancer | 16 Lincoln | 26 Diego Rivera | 36 Sculptor Dudley Carter | 46 Charlie Chaplin | 56 Art Patroness Gertrude |
| 7 Sculptor Margarita Magoni | 17 John Brown | 27 Tree of Love and Life | 37 Anwaraz Pison | 47 Paulette Goddard | 57 Patented goal |
| 8 Modern Mexican artisans | 18 Diver Helen Crenshaw | 28 Paulette Goddard | 38 Heenan Chienkovich | 48 Paulette Goddard | 58 Bulwark wine press |
| 9 Snake God Quetzalcoatl | 19 City of San Francisco | 29 Sculptor Dudley Carter | 39 Treasure Island | 49 Charlie Chaplin | 59 Inventor S. F. B. Morse |
| 10 Rivera paints patriots | 20 San Francisco Bridge | 30 Head of Life & Death | 40 Botanist Mary Anthony | 50 Charlie Chaplin | 60 Rivera & his ten boats |











Must a child be driven to think?

THE old-fashioned theory was that the average boy or girl who got poor grades was just mentally *lazy*. And that constant prodding was necessary to get him to study—to get him to *think*.

That theory has been completely exploded. Exploded by thousands of tests in the nation's schools. These tests showed that, when schoolwork is done on a typewriter, students become downright enthusiastic . . . average 17% more written homework . . . get 10% to 30% higher grades . . . in many subjects!

You see why, don't you? *Handwriting*, because it's so slow and tedious, acts as a *brake* on your child's mind. Whereas the greater speed and ease of typing free his mind for *thinking*—allow impatient fingers to keep pace with racing thoughts.

Too, these tests among school children disclosed only *one-quarter* as many errors in English . . . *half* as many words misspelled . . . in typewritten homework. Naturally! The typewritten page offers *direct comparison* with the printed page from which the youngster learns.

ROYAL ARROW MODEL—\$22.50 OTHER ROYAL PORTABLES—\$24.50 TO \$25.50.



Which Portable for your youngster? We leave it to you. Shouldn't you get that make which has a keyboard just like a standard machine . . . the machine that was engineered and built from the ground up as a standard office typewriter in every respect but *size*? In other words, a *Royal*—the *only* Portable with these famous big-machine features: **MAGIC*** Margin (just flick the lever to change margins automatically) . . . **Touch Control*** (adjust key tension to your particular touch) . . . **Geared, bob-less shift** (the carriage doesn't clatter and pop up when you shift) . . . and many others.



© 1934 Royal Typewriter Co. N. Y. City. All rights reserved.

It's easy to learn to type correctly from the patented "Self Teacher" that comes with every Royal Portable. Only a matter of hours for some youngsters. And typing is an immense asset in scores of professions in later life . . . or it can be a career in itself! Too, don't forget, the Royal Portable you get for your son or daughter will probably be used by the whole family. By Mother, for social correspondence and club work. By Dad, for use at home and on business trips. So get a Royal . . . and get the best.

For no more than it costs to rent one, you can own a Royal Portable. Your dealer will sell you an easy-writing Royal for as little as \$3 down and \$3 a month—including the small carrying charge. See your local dealer . . . or write to Royal, 2 Park Ave., New York City . . . for a free home trial!



Royal Portable

THE STANDARD TYPEWRITER IN PORTABLE SIZE



Soft plaster is dropped on model's face after straws have been inserted in nostrils and mouth to enable the model to breathe.



Thick layers make this mess of the model's face. Olive oil was first smeared over face, fat on eyelashes to prevent sticking.



After ten minutes, the plaster is dry, deftly removed from face. Note the small piece at side which broke off and clung to cheek.

SHAPELY MODEL IS CAST IN PLASTER TO MAKE A MASTER MANIKIN MOLD

For a fortnight now girls had been walking in and out of the Greener Manikin Studios. There were girls with madonna faces and piano legs, girls with virginal breasts and buck teeth, girls with Pavlovian hands and Dopey's ears. At any other time each might have been hired for her specialty. This time the studio was seeking a super-special female for a new master mold. Then Helen Johnson came in. Peter, the sculptor, nodded. Lillian Greener, manikin designer, nodded. On this page and page following are shown some of the steps whereby Model Helen was cast and molded into Manikin Helen. Their two heads appear on the cover.

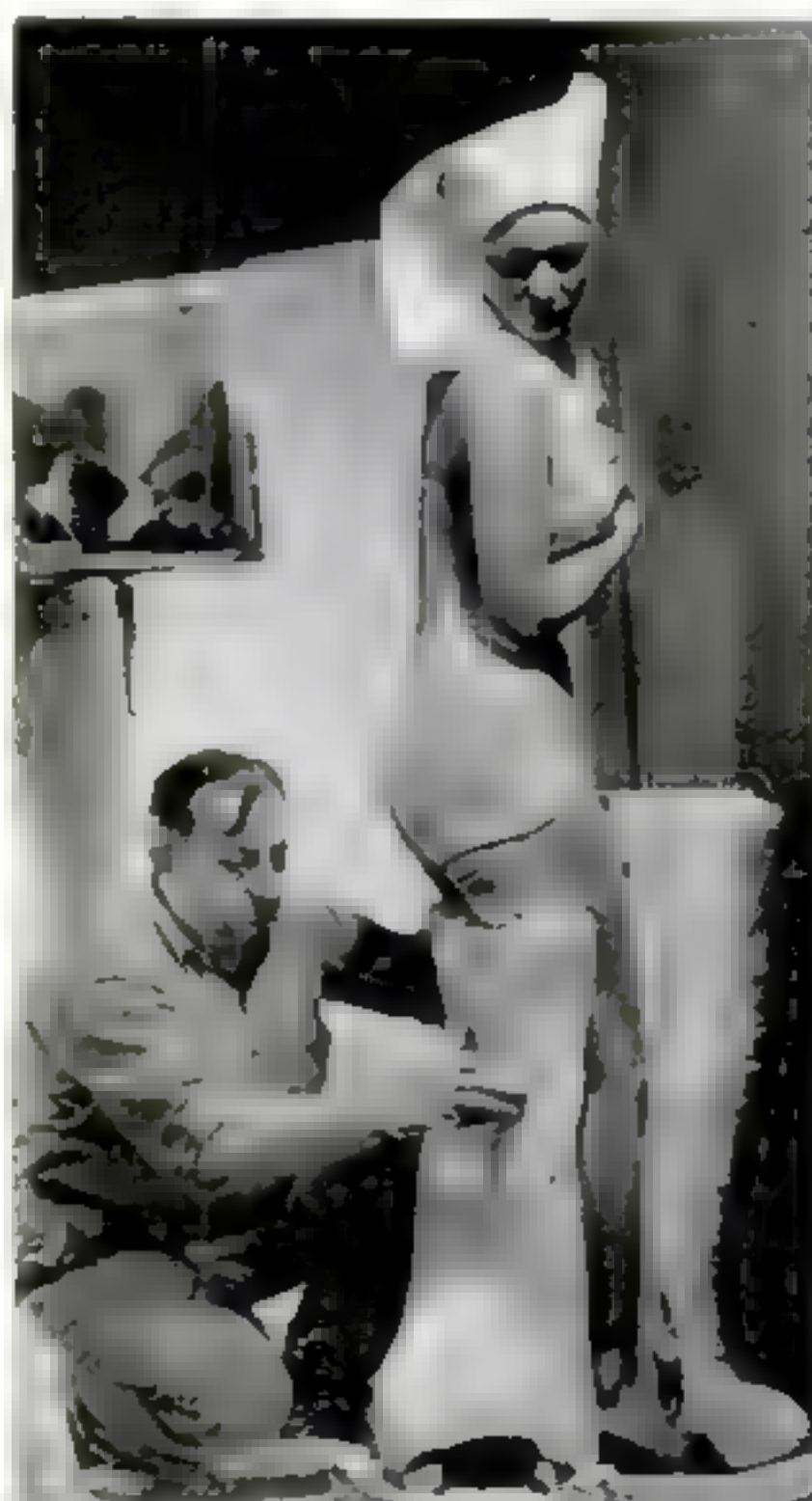
Ever since a head became an accepted feature of a window dummy about four years ago (LIFE, July 12, 1937), a manikin's life in a smart shop has been greatly shortened. Faces date more quickly than bodies. Sometimes a change of wig or new make-up will lengthen a dummy's tenure, but chances are she will be sold down the river in less than a year. No two Greener manikins are exactly alike. Each has a hand-painted face, individualized wig. All of them have flexible nostrils, feet size 6, head 21½.



This is the mold from which papier-mâché copies of Helen's face will be made. Note barely visible scar on cheek at the right. Despite grease, some of Helen's cover-sticks to the plaster.



Torso mold is made of heavier plaster on a burlap foundation and takes about 30 minutes to harden. Oiled paper protects the skin.



Leg molds are made only thigh high. Backs of legs are molded together in one piece, fronts in another.



Papier-mâché figure has been made by putting together various pieces made from the molds of Helen's anatomy, plus a stock head, size 21½.

CONTINUED ON PAGE 48

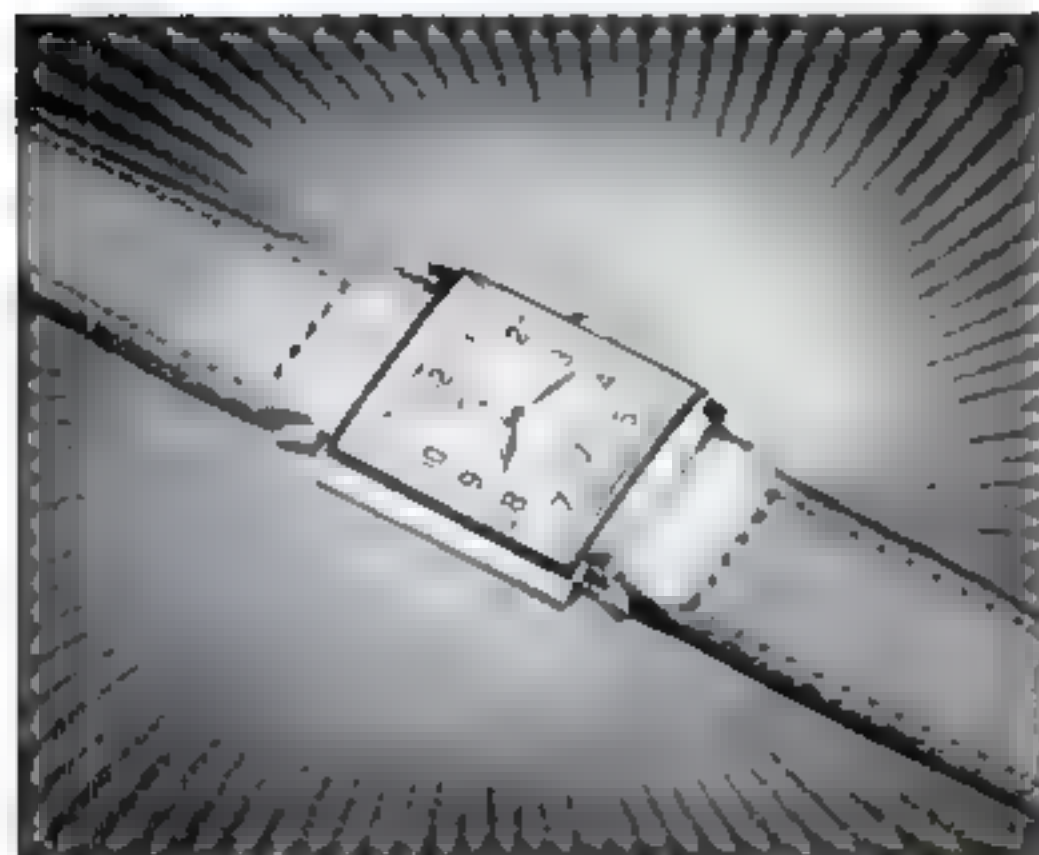
says
**GLADYS
SWARTHOUT**

*Metropolitan Opera Star;
Fashion Academy Award Winner*



Her thrilling young mezzo-soprano voice, her rare beauty and charm, have brought her stellar roles in opera, radio and motion pictures. She is a Fashion Academy Award winner and is today recognized as one of the fifteen best-dressed women in all the world. Her appreciation of truly American art and craftsmanship is fresh and keen as you would expect it to be. In the new Lord and Lady Elgins she finds one more important evidence of America's growing leadership. "These watches show a most fascinating and original use of color and design," she says.

"Such beauty is making America the style capital of the world!"



Lord Elgin. 14K natural gold. 21 jewels. No. 4506A. \$85.00

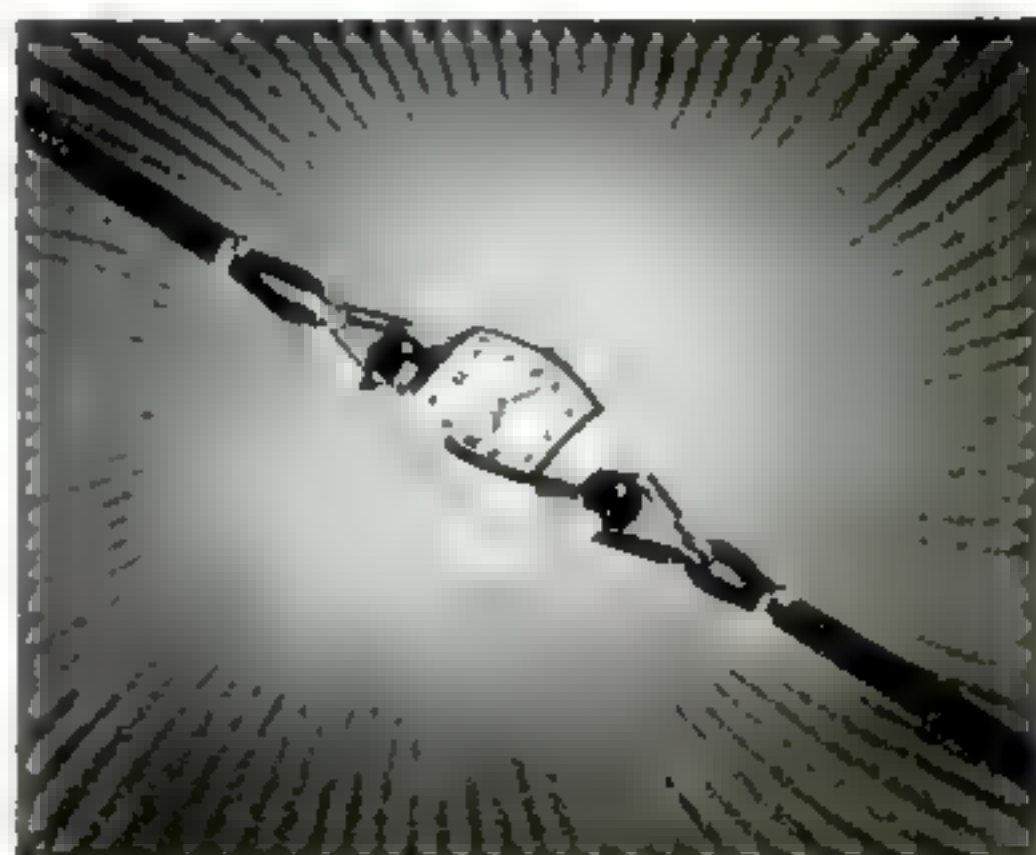
THE will to possess kindles when you see one of the new Lord or Lady Elgins. For something inside you whispers: "Here is the beauty I have been seeking!"

These timepieces state in new and emphatic terms America's supremacy in the field of fine watchmaking. Designs are highly original. Everywhere is attention to custom detail. No Lord or Lady Elgin has fewer than 19 jewels... cases are platinum, gold, and 14K gold-filled. And every watch carries its own Observatory Certificate, awarded only for superlative timekeeping ability proved in rigorous tests right in a great time observatory.

Into these finely-adjusted watches have been built two remarkable Elgin advances: the patented Elginium hairspring* and the Beryl-X balance. Both are rustproof, non-magnetic, unaffected by temperature changes.

View the new Lord and Lady Elgins at your jeweler's now. The marks of genius and beauty are upon them. The prices start at \$50.00. New Elgin De Luxe watches as low as \$35.00. Prices slightly higher in Canada.

THOROUGHLY AMERICAN! Unlike many other watches, Lord and Lady Elgins are not foreign made or assembled from foreign parts. All parts are designed and created right in the ELGIN factory. ELGIN, as you know, is the world's largest-selling fine watch made in America.



Lady Elgin. 14K natural gold. 19 jewels. No. 4201A. \$70.00



Lady Elgin. 14K rose gold filled. 19 jewels. No. 4306E. \$50.00



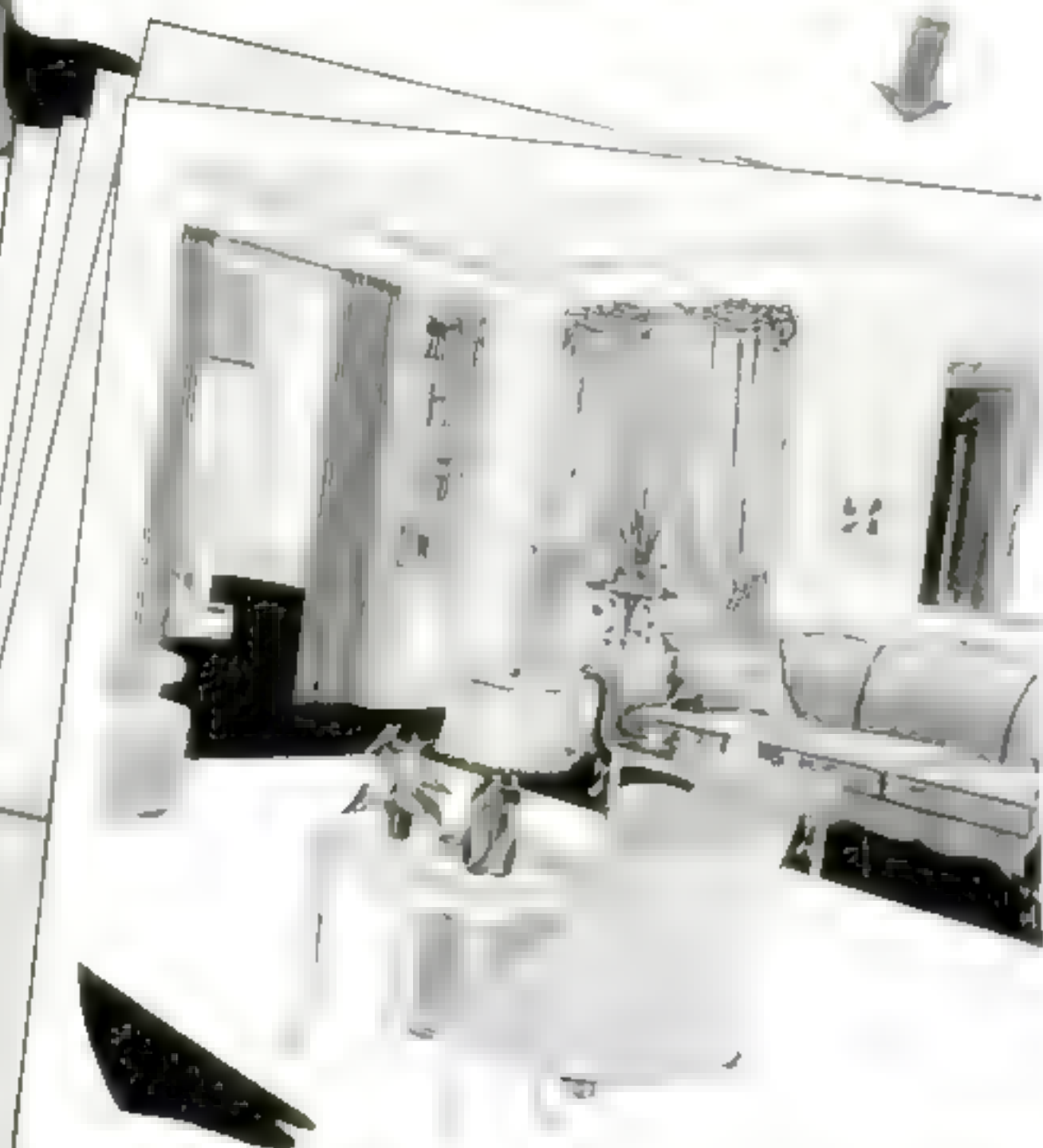
Lord Elgin. 14K gold filled. 21 jewels. No. 4801A. \$50.00

★ **Lord Elgin** ★
21 JEWELS

★ **Lady Elgin** ★
19 JEWELS



This Free Book GAVE ME THE SECRET OF BEAUTIFUL WINDOWS



Send For Your Free Copy Today

LEARN how to create beautiful, individually styled window treatments that work wonders for your home! And learn to do it *thriftily*. The secret is easy.

Kirsch . . . leading authority on window styling . . . now offers a marvelous new book. It's a gold mine of practical information on "Smart Window Treatments." A clever new drapery rod, for instance, may be all that is needed to make an ordinary window treatment unusual. Often it's just the way your draperies are hung that

gives them that distinctive, "different" touch!

Whatever your decorating problem . . . and even if you don't think you have a "problem" . . . there's something worth seeing in this marvelous new book by Kirsch. It shows many delightful new window treatments—all pictured in color—that you can reproduce in your own home.

Yours for the asking! Simply fill out coupon or write for your copy today. Why wait? It's *Absolutely Free!*

KIRSCH DRAPERY FIXTURES AND VENETIAN BLINDS

KIRSCH Drapery Fixtures
and Venetian Blinds
110 Prospect Street
Sturgis, Michigan

Please send me my free copy
of the colorful, illustrated
Kirsch book on "Smart
Window Treatments."

Name _____

Address _____

City and State _____

(continued)



Helen's face is now attached to stock face. Before final mold is made, Peter opens Helen's eyes. Modeling of face on head shown below and on the cover, as an imp. Peter, the sculptor, cuts face stock through it must be removed to make place for wig.



Legs are sawed and elongated, torso lengthened, as no woman has the exaggerated waist-to-foot measurements required in manikins. Peter models pieced manikin into a graceful whole. Helen (below) weighs 118 lb., the manikin weighs 80 lb., costs \$150.

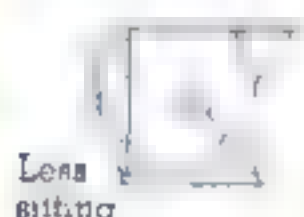


Cake Baking now simple as **ABC** the new streamlined Presto way



Cut down "making time" on this jolly, timely cake — the Presto Ingredient* makes it turn out like the picture. Follow —

THE PRESTO SPEED-UP PLAN



Less sitting



Less mixing time



Less cleanup time

—and a better cake (The Presto Ingredient does it)



You, too, can be an artist at cake baking—and easily.

With Presto Cake Flour, the old-fashioned worry of baking cake is gone, because there are fewer ingredients to keep in mind and fewer things to go wrong.

You use no baking powder or salt; do no guessing—for the Presto Ingredient is scientifically blended and mixed with fine cake flour (noted for its tender

gluten). The complete Presto Ingredient, exactly balanced, eliminates the most common cause of baking failure—the wrong kind, amount and mixing of baking powder and salt. Fewer mixing bowls to wash—and you whip up a cake faster.

Presto Cake Flour puts your cakes in a premium class without premium price. It goes with any cake recipe—but remember, no baking powder or salt. That's why we say, "Get a package of Presto Cake Flour—you'll bake better cakes—and biscuits, coffee-cakes, waffles and pastries, too

*"Presto" Ingredient—special baking powder and salt scientifically pre-measured and pre-blended.



Plan a Children's Party—and build it around Presto Biscuits (made more delicious and tempting the easy Presto way). Start the meal with big glasses of tomato juice—serve the light, fluffy biscuits with chicken fricassee and peas—and for climax, serve the Bunny Cake with candles alight. (The recipe for Presto Biscuits is on the package.)

Bunny Birthday Cake

Especially light for children, and so easy to make

Sift, measure... 2½ c. PRESTO Cake Flour, set one side.
Cream... ½ c. butter (part shortening if desired)
With... 1½ c. sugar
Add... ¼ c. egg yolks (about 3). Beat light and fluffy.
Add also... 1 tsp. vanilla.
Measure... ¼ c. milk. Add to creamed mixture alternately with about ¼ c. PRESTO at a time. Stir smooth by hand after each addition.
Fold in... ¼ c. egg whites (about 3) beaten at 11. Do not over-mix. Divide batter into deep, round, layer cake pans, greased, the bottoms lined with waxed paper and the paper greased. Bake. Cool. Put layers together with currant jelly. Frost with double boiler frosting colored pink. Decorate with Marshmallow Bunnies.
BAKE 350°—25-30 min. MAKES 2-9 inch layers.
NOTE: Use electric mixer only for creaming butter, etc., and beating eggs. Add PRESTO and milk by hand.

Marshmallow Bunnies

Purchase 1 lb. marshmallows. With toothpick dipped in red food color, diluted with water, draw eyes, nose and mouth on 18 to 20 of the marshmallows. Draw 3 buttons on 10 more marshmallows. For the arms, cut 5 marshmallows into quarters by cutting the marshmallow in two and then splitting each half. Run a toothpick through the head and body. Run toothpick through each arm and run other end diagonally through the body. The legs are formed by two marshmallows placed side by side, a toothpick diagonally through each up into the body. Cut out real shaped pieces of paper 1½ inches long and about ¼ of an inch wide at the middle, pointed at one end and not quite pointed at the other end. With red pencil color ears as shown. Fold through the middle with colored side in. With scissors snip 2 slits in the top of the bunny head and insert ears. Use bunny faces as candleholders. Press a small candle into each. Press bunnies into frosting around outside of cake. Where hands meet, press in small pink gum drops.

Remember no baking powder or salt when you use Presto Cake Flour.

FREE—Forty-Page, Illustrated Recipe Book

Presto Cake Flour

Box 50—Station F, New York, New York
Enclosed find Presto box top for which please send me the profusely illustrated recipe book (with more than 150 tested, easy-to-use recipes) especially designed for use with this modern cake flour.

Name..... (PRINT NAME)

Address.....

City..... State.....

This offer good in U. S. A. only and expires June 30, 1941.



Just what the Doctor ordered

IT'S common knowledge that doctors are among the heartiest of coffee drinkers.

They know, on scientific grounds, as well as by experience, that there's nothing like a good cup of coffee to rest you when tired, relieve fatigue, sharpen your faculties, and make your mind more alert.

They'll tell you, too, that if you're

like 97 people out of 100, the gentle "lift" you get from coffee lasts only about two hours.

And *that* means, of course, you can enjoy the fragrance and cheer of coffee, morning, noon and night without worry over sleeping.

So why deprive yourself of this delicious drink? Enjoy your coffee whenever you want it!

Published by the Pan American coffee producers for the benefit of the American public, the largest consumers of coffee in the world.

BRAZIL • COLOMBIA • COSTA RICA • CUBA • EL SALVADOR • VENEZUELA



Pan American Coffee Bureau
New York City

CLOSE-UP



FROM HIS CAIRO DESK, GENERAL SIR ARCHIBALD WAVELL RUNS A COMMAND OF 2,000,000 SQUARE MILES IN THE MIDDLE EAST. HE LOST HIS LEFT EYE IN WORLD WAR I.

WAVELL

THE HERO OF NORTH AFRICA BELIEVES THAT A GOOD GENERAL TAKES A GAMBLER'S CHANCE TO WIN "VICTORY BY A KNOCKOUT"

by HARRY ZINDER

(by cable from Cairo, Feb. 20)

In the bright but chilly dawn of a December morning in Cairo, twelve British and American war correspondents were routed out of their hotel beds by telephone calls. The message to each was: "General Wavell will meet the members of the press accredited to his forces in his office at headquarters at 10:15 today. Please be on time."

It was Dec. 9. The correspondents, arriving at GHQ, found General Sir Archibald Percival Wavell, Commander in Chief in the Middle East, leaning against the front of his tidy, businesslike desk, pencil in one hand, sheet of flimsy paper in the other. He wasted no words.

"Gentlemen, this morning at dawn our troops opened attack against Italian positions at Sidi Barrani." He glanced at the paper. "I've just this moment received the first report from the field which says that two hours after the attack began we took our first objective, Nibeiwah, captured some prisoners and a fair amount of matériel. The operation is continuing."

This was the biggest British military news since Dunkirk. As he looked at his listeners' faces, General Wavell allowed a ghost of a smile to crinkle the skin around his monocle and soften the lines of his trap jaw. "It would be interesting to know," he observed, "whether any of you had any idea the attack had started."

The answer was no, even from several correspondents who had been with the army in the

western desert two days before. With the development of air reconnaissance, it had generally been accepted that surprise was no longer feasible in the desert. That very morning a military correspondent of a German paper had written: "Neither of the parties can carry out a surprise attack in the western desert because of natural obstacles and because preparation of mechanized forces for a big offensive cannot be concealed."

Yet Wavell had sprung the attack as a complete surprise. The plan had its origin, as Wavell tells it, last fall: "I sat in my office, day after day, looking at a map of Italian positions in and around Sidi Barrani. One day I was convinced that the enemy's positions were faulty and that we could beat them at their own door with inferior numbers. I called in General O'Connor and General Wilson who assured me that the plan could be carried out and supplies and communications maintained."

The principle of deception was applied by a brilliant ruse. Out on the road to Sidi Barrani the British built a big dummy camp, apparently as the base of attack. Night and day long lines of trucks moved back and forth to the camp, apparently bringing up supplies. Wooden tanks, trucks and ammunition dumps were constructed. Meanwhile the real base camp, much smaller, was set up in the desert, far to the south.

Twice the attack was postponed. Then, early in December, having attained "an inferiority of

only 1 to 2," Wavell gave the signal for attack. The men taking part in it thought at first they were on maneuver. During the day the infantry were marched along the skyline of the Libyan escarpment, as if for a frontal attack on Sidi Barrani, raising a cloud of dust which could easily be seen by the Italians. That night they were carried in trucks to the real forward camp, where the Armored Division was waiting, and at dawn the next morning they attacked. The first object was to put out of action the Italian Armored Division of General Maletti, stationed in two camps to the south of Sidi Barrani. The sleeping Maletti Division was taken so completely by surprise that most of its tanks were never even manned. After that the British Armored Division swept around to the coast at Buqbuq and the infantry closed in on Sidi Barrani from all sides.

General Wavell had so planned his attack that, if Sidi Barrani had not fallen within three days, he could have withdrawn without damage to his own position. But he was set to push on swiftly if Sidi Barrani did fall. When this happened the British offensive unrolled like clockwork, mile on mile across the western desert, collapsing one enemy stronghold after another until the Italian power was broken in North Africa. The world agreed with Germany's General Keitel that "Wavell is the best general the British have, and he is very, very good."

Why is MERCURY so different in so many ways?

MERCURY is different in so many ways because it's a completely new car—designed from scratch to fit today's driving conditions *exactly*. ★ Built on the airplane principle, needless weight is eliminated—giving Mercury *more power per pound* than other cars. That's why it's so responsive . . . so eager to get out in front . . . and so able to stay there! ★ Strong, light, modern safety construction permits *large, roomy interiors*. Big, wide tires put *more rubber on the road* for safety and better anchorage when you need it. ★ The great and different V-8 engine is so *astom-ishingly economical* that actually Mercury gives you big-car luxury at small-car cost! ★ Before you buy any car, why not drive a Mercury and learn for yourself that all these advancements really do add up to a *new and different kind of driving pleasure!*

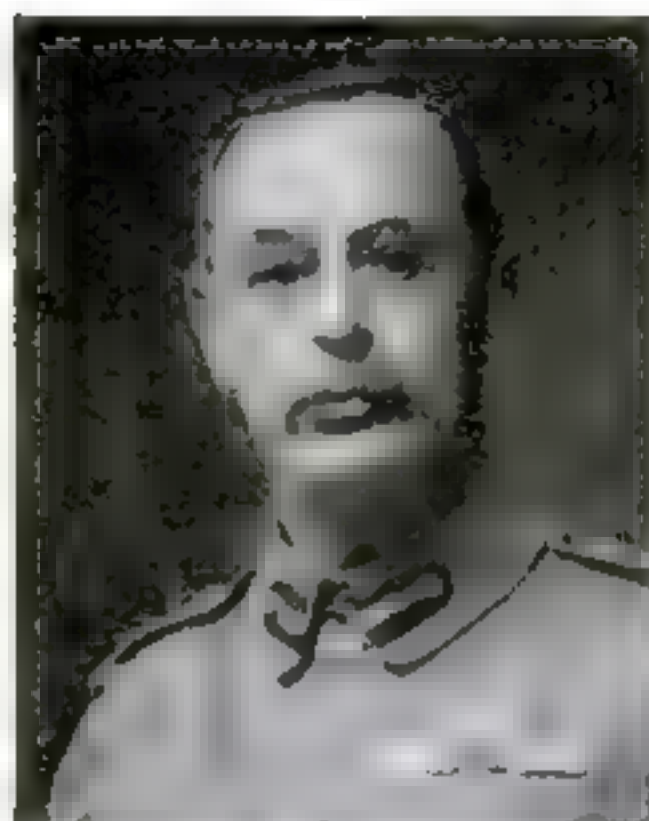
FORD MOTOR COMPANY



MERCURY "8"



His grandfather, Major General Arthur Goodall Wavell, was a soldier of fortune who served Spain and Venezuela.



His father, Major General Archibald Graham Wavell, fought in the Boer War and later was chief of staff in Ireland.

WAVELL (continued)

Sir Archibald Percival Wavell is the military master of almost 2,000,000 square miles in the Middle East. His dominion covers Egypt, the Sudan, Kenya, Somaliland, Palestine, Trans-Jordan, Cyprus, Crete and now Libya. It is a command unique in British military history, more extensive and more complex than that of Lord Allenby, the hero of the 1917 Palestine campaign. It embraces some of the roughest fighting land in the world.

General Wavell runs his vast command quietly from a small, bare office on the third floor of his Cairo headquarters. Much of the time he is in the field, flying constantly to outlying British positions, in the western desert, in East Africa or in Greece. He likes to drop in on distant camps and sit down to a detailed discussion of the local situation. Not long before the western campaign got under way he stood on a hill in Eritrea, 1,000 miles to the south, and, with monocle screwed into his good right eye, watched a pitched battle between advancing British forces and the retreating Italians. During the Libyan advance he flew back and forth between Cairo and the front.

While his plane is in the air, Wavell sometimes takes the controls for a while but he does not try to take off or land. On long flights he sleeps, after first telling the pilot to wake him if anything of interest is sighted. Flying to Crete, where he went to direct British aid for the Greeks, he re-read Browning. Wavell reads widely, has a special taste for Shakespeare and P. G. Wodehouse, and likes to point up his instructions with a quotation. One favorite is: "It is better to travel hopefully than to arrive," a quotation which was once turned back on him by his chauffeur when the chauffeur lost his way in the desert.

Wavell plugs long hours at his job but still finds time for exercise and some social life. In the morning he takes a swim and a canter at the Gezira Sporting Club and occasionally after lunch he gets in nine holes of golf before driving back to work in his black Packard. Late in the afternoon he sometimes stops in at the swank Mena House in the shadow of the pyramids for a drink and on Sundays the Wavells entertain 60 or 70 people—officers and their families, prominent Egyptians and visiting dignitaries—at cocktail parties. But Cairo gossips and Italian spies who try to guess military moves from observation of the Commander in Chief's social life have been sadly misled. The day before the big push in the west, Wavell was sitting on the veranda of the Mena House sipping a cocktail. This may have been a deliberate move to mislead the Italians but Wavell's chief work on the campaign had been done long before. Neither setbacks nor successes ripple the smooth execution of his plans. In November the news that Berbera, capital of British Somaliland, had fallen to the Italians did not interrupt his morning swim. In December he went on a shooting trip with King Farouk of Egypt, three days after the start of the western offensive.

"Good generals run in all shapes"

Wavell has said that "Good generals, like good race horses, run in all shapes." He was speaking of his hero, Allenby, a great lion of a man whose imperious bearing was enough to stiffen a battle line. Wavell has no such physical advantage, being trim but rather chunky. Good generals vary in other ways. There are explosive generals, like Allenby, and even-tempered, close-mouthed generals, like "Guinea-a-word" Wavell. There are good generals with brains and good generals without. Hindenburg was a good general though



Panic

comes from a mischievous Greek god

IN Greek mythology there was no greater trouble-maker among the deities than Pan. His abrupt appearance among the timid wood nymphs inspired the greatest fright. He was regarded also as inspiring human beings with groundless terror. So the Greeks imagined that sudden, contagious fear which seemed to have no sufficient cause must have been inspired by Pan, and to denote this fear they created from the name of this dreaded god the word *panikon*. English has taken it over as *panic*, and we apply the word to any mob fear arising from real or imagined causes.

This is one of the thousands of interesting word origins given in the unabridged Merriam-Webster, Webster's New International Dictionary, Second Edition. This great reference book provides a wealth of general information. It contains 600,000 entries—122,000 more entries than any other dictionary. 12,000 terms illustrated, 3,350 pages. **WARNING** The only genuine Webster in the Merriam-Webster Look for the Merriam-Webster name and circular trade-mark on the cover. Ask your bookseller to show it to you. Write for free illustrated booklet of interesting word origins to G. & C. Merriam Co., 671 Federal Street, Springfield, Mass.

the Genuine Webster

WEBSTER'S
NEW INTERNATIONAL
DICTIONARY
Second Edition



Miss Saylor's
COFFEE-ETS

The exotic flavor of these little nips of pure cream and coffee candy will haunt you. Coffee-ets give all the stimulating pleasure of a cup of morning coffee. They're a handy candy, smooth and small, each colorfully wrapped. Keep for quick pick up. If you smoke, you'll love 'em. Over 210 pieces to lb. If not yet at your dealer order direct.

7½ oz. tin 50¢ - 1 lb. tin \$1

MISS SAYLOR'S CHOCOLATES, INC.
EMERALD AVE., ALAMEDA, CALIFORNIA



Hat Cleaning Block

Clean your felt hat at home at a cost of only a penny or two! Just place it on the hat cleaning block and rub it over with any good cleaning fluid. Steel nickel plated. Order today. \$1 post paid. M.P.N. Co. size: 6 1/2" x 4 1/2" x 1 1/2". Write for request. Hat Saver Co. paid 8412 E. McNichols Rd., Detroit, Mich.

WITNESS OF **COLDS**
feel better Quicker with
SALICON TABLETS
FASTER THAN QUININE



Within the Family's inner circle ...beer is welcome, too!

Anniversaries, home-comings, farewells . . . these are family gatherings too intimate, too precious to be shared with outsiders.

But, in millions of homes, beer and ale are no outsiders! These mellow, kindly brews are time-honored members of the family circle.

From the beginning of time, men have jealously

guarded the serenity and peace within their homes. And so, it is a deep tribute to the wholesomeness of beer that most folks welcome it to their family fireside.

It is easy to see why beer is so honored. For truly, beer is a beverage of moderation. Brewed from golden grain and fragrant hops, it is both appealing to the taste and nourishing . . . and adds good cheer to every party.

TO PROTECT beer's good name, the brewers of America want the retailing of beer to be as wholesome as beer itself. We would like to send you a booklet entitled, "Clean Up or Close Up," which describes the brewers' program now at work in a growing number of states. Address United Brewers Industrial Foundation, Dept. A3, 21 East 40th Street, New York, N. Y.



ONLY ZENITH HAS THIS!

U. S. PATENT NO. 2164251
WAVEMAGNET
BUILT-IN MOVABLE FOR RECEPTION IN TRAINS, PLANES, AUTOS
A NEW INVENTION—IT'S DIFFERENT



THE ONLY PORTABLE RADIO GUARANTEED TO PLAY WHERE OTHER PORTABLES FAIL... OR YOUR MONEY BACK

AT HOME OR AWAY, THE YEAR 'ROUND COMPANION

A most remarkable invention... the Patented Movable Wavemagnet in this new portable radio which you can carry in one hand, self-powered with a light, one-piece battery pack. Ordinarily it works without outside aerial, outside wires or ground.

LISTEN WHILE YOU TRAVEL... PLAY... OR WORK

Take this wonder portable where ordinary portables will not work efficiently, in a train, airplane, bus, ship, auto or any windowed building where metal construction keeps out reception. The secret of why it works while others fail is in the Patented Movable Wavemagnet, exclusive with Zenith.

Check upon your next train trip. See how many Zeniths are playing well... and how many others makes fail to do so. Your money back if Zenith fails.

WORKS ON LIGHT SOCKET OR BATTERY
If you want to save your battery, plug into any light socket... 110 volt AC or DC.

Earphones Solve Privacy Problems
Storage space for earphones... (extra equipment) for use at ball games, fights, or while travelling; for privacy in reception without loudspeaker. Listen with superior Zenith earphones or Hush-tone. A boon to the hard of hearing, too.

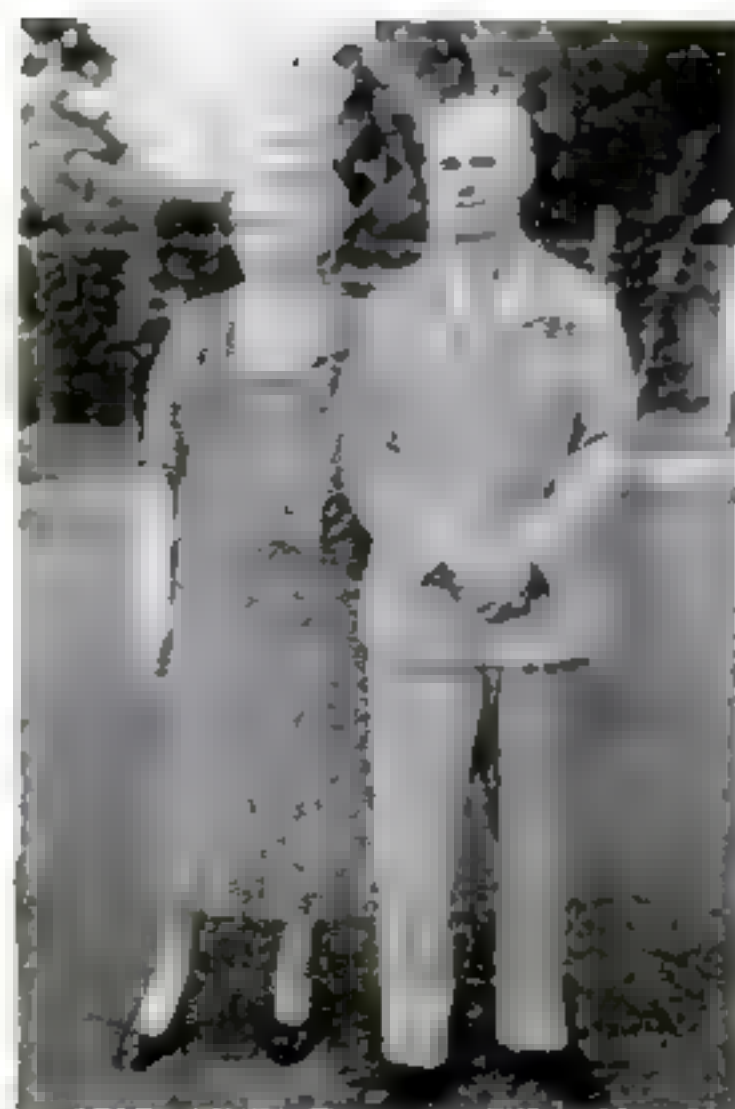
Under No Other Name But Zenith...
...can you obtain this radio or a portable that is, has, and does so many things! Patented Wavemagnet—built-in yet movable—combination battery and lighting current operation—loudspeaker and earphone reproduction—adjustable to varying conditions—reception at home or travelling. Don't buy until you see and hear the Zenith Universal Portable at authorized Zenith Dealers everywhere.

Deluxe Edition in genuine cowhide... priced slightly higher than regular airplane cloth cover.

AGAIN A YEAR AHEAD
ZENITH RADIO
AMERICA'S OLDEST MANUFACTURER OF FINE RADIOS FOR THE HOME



Wavell at 20 was a second lieutenant in the Black Watch regiment



Lady Wavell runs their big house on the fashionable island of Gezrah in the Nile River

WAVELL (continued)

so stupid off the battlefield that, when he was given a speech to read, the sentences he was to emphasize had to be typed in capitals.

Wavell is a brainy general who has twelve articles in the *Encyclopaedia Britannica* and can quote Browning by the page.

Wavell's home, which he shares with his second in command, General Henry M. Wilson, is a big house set in the middle of Cairo's botanical gardens. With him are his wife, whose father was a colonel, and his three daughters, attractive in the cool English style. Pamela, the eldest, is a nurse, while Felicity and Joan are GHQ secretaries. Joan's hard work has earned her the nickname "Trooper" by which she is known to everyone at Headquarters, even the door of her office bearing a slip "Trooper Wavell." Wavell's only son, Archie, is following the family tradition as an officer in the Black Watch.

Wavell's background is strictly military. His father was a major general, his grandfather a soldier of fortune who served under the flags of Spain and Venezuela. The last non-military Wavell was his great-grandfather, a physician of note who discovered the mineral wavelite. Archibald Percival was born near his father's barracks in Essex and at 6, on a trip to India, got his first look at Egypt, the scene of his future triumph. A child of few words, he simply noted in his diary for July 1889: "Went ashore at Port Said."

After a proper schooling at Winchester and Sandhurst, Wavell joined the Black Watch Regiment and went off to fight the Boers in South Africa. In 1916 the War Office sent him to Russia, where he spent two years as military attaché and learned to speak fluent Russian, a language which may yet be useful to a British general in this war. He has visited Russia half a dozen times since, notably in 1936 when he was greatly impressed by the Russian experiments with parachute troops, and wrote home favorable reports of them, which the War Office ignored. Wavell's interest in parachute troops bore fruit last fortnight when he became the first British general to use them himself.

During the first World War, Wavell was a brigade major. He won the Military Cross, lost his left eye in the Ypres offensive and acquired a strong distaste for the bloody, plodding kind of fighting that went on in France. In Wavell's firm conviction, it was no kind of warfare for the British. Their genius, he says, "lies in the lightning attack, a quick rain of blows on a bewildered adversary and victory by a knockout."

Allenby taught him desert warfare

That, at least, is Wavell's own genius. He learned it in the years 1917-18 in Palestine, from that master of desert warfare, Allenby. Transferred to Allenby's command in 1917, Wavell rose to be his Chief of Staff. In the Palestine campaign, which established Allenby's reputation as the greatest British general of the last war, Wavell learned many of the tricks which he later used against the Italians. Allenby's brilliant use of deception in the Giza battle he copied, almost soldier for soldier, in the attack on Sidi Barrani. Allenby's use of cavalry was the model for Wavell's use of mechanized units. Allenby's insistence on swift exploitation of the ene-

CONTINUED ON PAGE 22

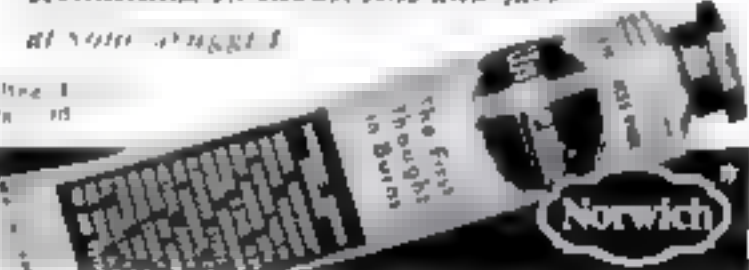


UNGUENTINE

Does three things needful for modern first-aid:

- Relieves Pain
- Fights Infection
- Promotes Healing

For Burns, Scalds, Cuts, Scrapes and Skin Irritations. In tubes, jars and tins



Happy!

Carefree Since He Went "GLOVER'S" For His Hair. You'd Be, Too!

Any serious attempt to curb Dandruff, relieve Itching Scalp or check excessive Falling Hair calls for a serious purpose MEDICINAL treatment—not something that's just slicked on the hair. Use Glover's Mange Medicine and massage and it will soon be apparent to you how really effective it is. Nobody knows it better than your Barber—ask him! For the shampoo, use Glover's Medicated Soap—an important part of the treatment. FREE booklet on Glover's famous System for the Scalp and Hair. Write today! Address GLOVER'S Dept. D, 460 Fourth Ave., New York.



GLOVER'S MANGE MEDICINE

ATTENTION! ITCHING SKIN SUFFERERS

Don't give up! For the itching, burning torment of eczema or local irritation, try soothing Resinol. For 45 years it has given comfort to many sufferers and it is waiting to help you.

Buy and try it today. For free sample write Resinol, L-7, Baltimore, Md.

RESINOL At all druggists

CANADA AT WAR

is still the
GREATEST PLAYGROUND IN THE WORLD

14 Million* Americans
Say so!

DON'T take our word for the merits of Canadian vacations or for the way we treat you. Ask any one of the 14,000,000* Americans who visited us last year. Perhaps one of them was your next-door neighbour. Ask him.

He will soon tell you how easy it is to cross the border; how courteously you are received everywhere; how free you are to move about; how willingly banks, hotels and stores pay the premium on American currency; how easy it is to leave Canada when you please.

And he'll tell you about the wonderful vacationland this great north country really is; how cool and bracing, with fine modern highways stretching in all directions, accommodations to suit all budgets and unlimited scope for every kind of holiday.

Yes, Canada welcomes you as never before. She offers you the freedom of her towering mountains, untracked forests, sparkling lakelands, silver seashores, brilliant cities, lovely towns and of all her broad historic countryside.

*Over 14,100,000 United States citizens visited Canada in 1940. This tremendous number, over 10% of the total U.S. population, does not include the many millions who came to Canada for less than 48 hours; it includes only those who stayed in Canada for more than two days.

YOUR CANADIAN VACATION WILL DO DOUBLE DUTY !

Your Canadian vacation will do far more than give you a glorious time. *It will help the fight for freedom.* For the American dollars you spend in Canada will all go back to the United States in payment for war supplies which Canada is buying there in tremendous quantities.

CANADIAN GOVERNMENT TRAVEL BUREAU OTTAWA - CANADA

AP-141

☐ Please send me free copy of your 60-page illustrated book about vacationing in Canada.

☐ Please send me information on.....district, province of

Name

Address

.....State.....

☆ The U.S. Department of State, Washington, suggests U.S. citizens carry some documents of identification such as old passports, birth or baptismal certificates, naturalization certificates, club cards, tax bills, or similar papers.



A n invitation to Gentlemen

to join the world's most famous after-shave club

Sign your name and address below
and mail this advertisement to us.
We'll promptly send you a generous
trial bottle of Aqua Velva. It's the
world's most popular after-shave.

You'll enjoy the refreshing, wake-
up zest of Aqua Velva! And notice
how it leaves your face feeling softer
and smoother.

Address: The J. B. Williams Co.,
Dept. CA-2, Glastonbury, Conn.—
makers of fine shaving preparations
for over 100 years. Offer good in
U. S. A. and Canada only.

A few of the Members

Luckus Beebe
George Biddle
Boake Carter
Doris Conen Doyle
Major
George Fielding Elliot
John Erskine
Louisitz Melchior
Burgess Meredith
Black Pennington
Norman Rockwell



Name _____
Street _____
City _____



DRINK
THIS
true-taste
ORANGE

RARE AS AN ORCHID

is true Vanilla

A paper flower hardly
substitutes for a real orchid. And
only *true* vanilla extract —
from mellowed beans of
jungle-grown vanilla orchids —
gives the zestful, delicious
flavor your favorite recipes
deserve. Be sure you get pure,
undiluted vanilla. Ask your
grocer (or write Price Flavoring
Extract Co., Chicago) for

DR. PRICE'S
delicious flavoring
EXTRACTS

VANILLA, LEMON, ALMOND —
RED AND GREEN FOOD COLORS



Field Marshal Allenby, Viscount Allenby of Megiddo and Felixstowe, victor of the Palestine campaign in World War I, was Wavell's hero and teacher in desert warfare.

WAVELL (continued)

my's first retreat was the inspiration for Wavell's relentless pursuit of the Italians across the Libyan desert. Last year Wavell published a biography of his hero entitled: *Allenby: a Study in Greatness*. It is a remarkably readable book, notable for over 200 references to Allenby's personal characteristics.

Wavell's original mind, which endeared him to Allenby, made him a thorn in the side of Army stuffed shirts when he returned to England after the war. They especially resented a stunt of Wavell's at the Aldershot maneuvers in 1936. To show up War Office stupidity, he put on the road a division complete with all the impedimenta and equipment then called for by regulations. It made a 15-mile road jam of infantry, mulecarts and motor transports. One result was that the Army dropped tons of obsolete equipment such as mosquito nets from its regulations. Another result was that Wavell was swept off to Palestine on a wave of brass-hat displeasure.

Palestine had been the grave of several military reputations. Wavell arrived in 1937, at the height of the Arab-Jew riots and used an iron hand to break the terror. His was the system of "flying columns" which rounded up bands of Arab terrorists for hanging or prison. It was a distasteful job and Wavell was called "the great bloodhound," but he restored order to the country.

Wavell was made Commander in Chief of the Middle East in July 1939, but until the Fall of France the British forces in Egypt were no more than a local garrison, meant to work under the supreme command of Weygand who had a much larger French force in Syria. Only after June did Britain start building the army which Wavell led to victory in December.

Many races mingle in the Imperial Army of the Nile

The Imperial Army of the Nile is the most heterogeneous army in modern history. Its central core of strength is a body of 100,000 British and 30,000 Australians and New Zealanders. But added onto these are native troops from four continents: Indians, Arabs, Ethiopians, Maoris, Punjabis, Mauritians and others. And added onto these are the "Allied" battalions: Free French, Czechs and Poles.

Each national force retains its own identity and customs. Every British commander of native troops must speak the native tongue. Before the western campaign began, a visitor walking through the miles of tents in the desert camp at night could see Maoris doing bush dances around campfires, Hindus practicing yoga and Moslems building shrines to Allah out of chromium bottle tops.

The problem of feeding this army would stagger any commissary, for Wavell knew better than to put them all on British rations. Instead the supply ships which dock at Alexandria bring rice for the Arabs and Hindus, meat for the Australians, special vegetables for the New Zealanders, red wine and bread for the French, olives for the Cyprians, macaroni for the Maltese.

Had Wavell tried to force all his troops into one mold, he would have had endless trouble. By allowing each national group to retain its individuality, he has built up a magnificent morale. Native officers accost their accessible Commander in Chief and beg him to

*As one K.P. to another,
those are nice pots!*

*Yes Ma'am! We
use Aluminum
in the Army, too!*

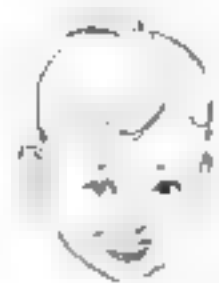


*Your thousand meals a year
deserve up-to-date*

Aluminum Cooking Utensils



FOR FLAVOR



FOR HEALTH



FOR ECONOMY

Not just for airplanes and armaments! National Defense calls on Aluminum for another most important job... cooking for our defense forces on land and sea.

Giant Aluminum pots and kettles, roasting and baking pans by the thousands, mess kits and canteens. They are made of Aluminum for reasons well known to American housewives.

Biggest reason: Aluminum utensils cook food well. They heat evenly and quickly. Another reason: Aluminum is friendly to food. It does not rob food of healthful minerals and vitamins.

The lightness and toughness of Aluminum are other good reasons why it is chosen for preparing food on the march and on shipboard as well as in army posts and naval bases. On many thousands of the Aluminum utensils now in the service or in the making is that trade mark so familiar in American homes... Wear-Ever.

Wear-Ever Aluminum Utensils are made by The Aluminum Cooking Utensil Co., 1503 Wear-Ever Bldg., New Kensington, Pa.



Wear-Ever
ALUMINUM

LOOK FOR THE WEAR-EVER TRADE MARK WHEN YOU BUY



Somebody tell her about SELF-SEAL

FREE — For a free sample, full-size package of Self-Seal Envelopes and white linen note-paper to match, send your name and address and name of your stationery dealer to United States Envelope Co., Dept. 8, Springfield, Mass. Include 3c to cover postage.

Do YOU still use your tongue to lick envelope flaps? Then try *Self-Seal Envelopes*. • These new envelopes seal themselves, without any licking or messiness of any kind. All you do is just lift the lower flap up and press the upper flap down. They're available at popular prices wherever stationery is sold — also featured in boxes of Kellogg's Fine Writing Papers. Made in commercial form, too, for office use.



SELF-SEAL ENVELOPES

These Cocktails Have what it takes

✓ THE CLUB BAR-MAN uses world-famous imported Vermouths and Cognac from our huge reserves, acquired before shipments ended from abroad. Our foresight is your good fortune—for you get the benefit in HEUBLEIN'S CLUB COCKTAILS.

Nowadays, more and more cocktail connoisseurs are serving HEUBLEIN'S CLUB COCKTAILS. Better cocktails—because they've got what it takes. Better cocktails—because they're professionally made!

Few home-made shake-ups can touch them for quality or smooth flavor—or speed! Just add ice—and pour! No waste, either...for drinks left in the bottle keep indefinitely.

HEUBLEIN'S Club COCKTAILS

Copyright 1941, G. F. Heublein & Bro., Hartford, Conn.



7
POPULAR
VARIETIES
Always Ready—
Always Right

71 proof



Sir Henry Matland Wilson (center), "Jumbo", is Wavell's second-in-command. He commanded the army in the field and got joint credit from Churchill for the victory.

WAVELL (continued)

allow their troops to lead the next advance. Often in the desert, Wavell will look up at the morning sky, test the sand underfoot and say: "Well, boys, this feels like an Australian sand to me this morning, and that sun up there has a French look to me; the Australians and French will lead the attack." Wavell's is the first Allied army of this war in which the troops have gone into battle singing. The Australians, stars of the western campaign, made *The Wizard of Oz* famous as a battle song but there are many others. The Free French have revived *Sambre et Meuse*, an ancient Revolutionary hymn about an old king who told his troops to retire (as Pétain did) but whose troops ignored him and fought on to victory.

Most of the North African desert is not a sea of flowing dunes like that seen in Marlene Dietrich movies, but a hard, flat rock on which an ugly green lichen grows after the infrequent rainstorms. The rock makes a fairly good roadbed for balloon-tired tanks or trucks and its deep gullies called *wadis* offer hiding places in the day. Drivers must navigate by compass. Across the rock move great shifting dunes and through the air blows the fierce sand-laden *khamsin*, forcing men to don gas masks, clogging carburetors and bringing all fighting to a temporary stop. In Allenby's time about the only motor vehicle used in the desert was the Model T Ford, which any trooper could take apart and put together again. Now the problem of sand in motors has been conquered sufficiently to permit the operation of Rolls-Royce airplane engines.

The movements of sand are a full-time study for experts. One movement was imaginatively described by Philip Jordan in the *New York Times*: "Dunes breed in somewhat the same way as mammals breed. Two dunes draw together, fuse for a while, then separate. Later one of them swells and finally gives off a smaller dune that grows with the years." Attached to General Wavell's staff is "the world's greatest sand expert," whose name the British do not reveal. [U. S. experts believe it is Major Ralph Alger Bagnold —ED.]

Water, the biggest problem of any desert army, is especially important to British troops which require the comparatively high ration of about half a gallon per day per man. When the Italians moved up to Sidi Barrani, they laid a 70-mile pipeline back to their base but Wavell's men had no time for pipelines. The problem was solved by water trucks and by the fleet, which ferried water to points all along the line of pursuit.

He once exchanged daggers with Graziani

Before the battle of Libya, Wavell and Graziani were regarded as the two modern masters of desert fighting, with Graziani accorded the edge over Wavell. At one point, during the last war when both were serving in Africa their paths had crossed. Together they had captured Kufra Oasis, an outpost held by the rebellious Senussis, and afterwards had exchanged daggers inscribed "United we are the masters." Then and throughout their careers, Wavell was regarded

CONTINUED ON PAGE 11

MERLE OBERON, NOW STARRING IN "THAT UNCERTAIN FEELING", AN ERNST LUBITSCH PRODUCTION, IS PORTRAYED HERE BY REYNALDO LUZA



Merle Oberon

TYPE

The Ivory Skin Type

This beautiful type has creamy skin with ivory tints. And oh, the startling clarity of her skin when she uses Woodbury Powder in Rachel 'Silver'! For velvet tone, use Blush Rose.

SKIN not Hair
determines your type

Give your beauty a chance!... says Hollywood
wear your true-to-type powder shade

Now Woodbury creates a new Color Controlled Powder in shades to lend enchantment to each skin type. Your true-type shade is among them.

by LOLELLA PARSONS, famous Motieland Commentator

For new glamour, new romance, learn Hollywood's secret. Leading Hollywood directors say—

"It's your skin, not your hair, that determines your type." That's why these directors divide all

beauty into 5 basic skin types. You are one of them.

So find your type, then discover the powder that "steps up" your skin tones—emphasizes your true loveliness. Woodbury has now created shades expertly tinted to dramatize skin types.

These shades aren't "matches"—they accentuate skin-tones, bring out hidden loveliness.

What's more, they're far clearer in tint. Under the microscope, no little color dots to cause streaks.

Thanks to Woodbury's wonderful new Color Control, each shade is *all one tint*. On the skin, you've never seen such evenness, smoothness! Watch this new Woodbury Powder in your true-type shade give your complexion an almost baby-skin perfection that men adore.

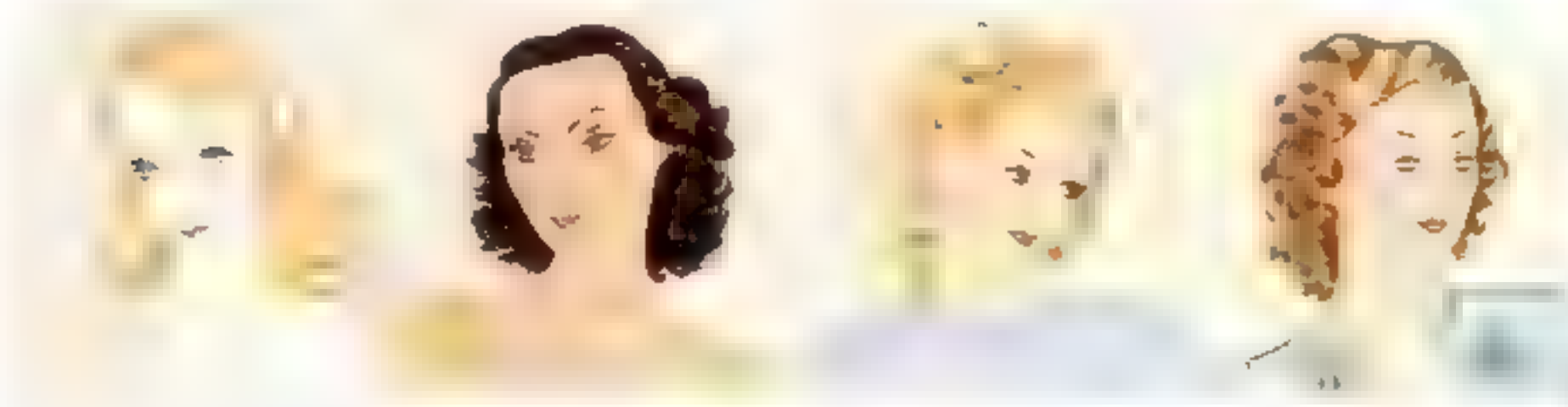
Color Control makes far finer texture, too, so that delicately perfumed Woodbury clings for hours. Get Woodbury today!

Cameo Skin Type

Tropic Skin Type

Honey Skin Type

American Beauty Blend



Virginia Bruce Type. Fair skin with cameo-pink tints. For a delicate, vivacious bloom, use Woodbury Flesh. For radiant warmth, use Blush Rose.

Dolores Del Rio Type. Vivid skin, dusky or olive tones. For luscious richness, use Woodbury Brunette. For golden-copper glow, Champagne.

Branda Joyce Type. Amber skin with golden tints. For deeper accent, use Woodbury Champagne. Or for a lovely, rosy look, use Windsor Rose.

Myrna Loy Type. Lovely light-lark blend with peach undertones. For accent use Woodbury Windsor Rose. For exotic effect, Brunette.



Woodbury
FACE POWDER

FREE! 6 COLOR CONTROLLED SHADES (MAIL NOW)

Paste coupon on Penny Postcard... if you wish

John H. Woodbury, Inc., 8413 Alfred St., Cincinnati, Ohio (In Canada: John H. Woodbury, Ltd., Perth, Ontario)

Please send free and postpaid 6 Color Controlled Shades of Woodbury Powder keyed to beauty types. Also tube of new Woodbury Foundation Cream.

Name _____

Street _____

City _____

State _____

L. G. Michaelson,
commercial artist, of
870 N. Michigan Blvd.,
Chicago, says

Richard Kromer, Jr. spends part of the year
in Armonk Village, New York, and the rest in
Fort Myers, Florida—but he has stayed with
the same whiskey for 5 years. Fishing and
hunting are his favorite sports—TEN HIGH is
his whiskey. As he says, "After a cold day
hunting up North, there's nothing so cheering
as TEN HIGH neat" and nothing so refreshing
as a TEN HIGH highball after a good day's
fishing down South. In 5 years and
12,000 miles of traveling, I've never
found a richer, smoother whiskey!"

AFTER 5 YEARS,
MY FRIENDS ARE STILL
PRAISING MY DRINKS—THANKS
TO **TEN HIGH'S** SATISFYING,
REALLY ENJOYABLE
BOURBON FLAVOR



Who says so?

Men who have been using it for 5 years
say: "TEN HIGH is a real treat!"

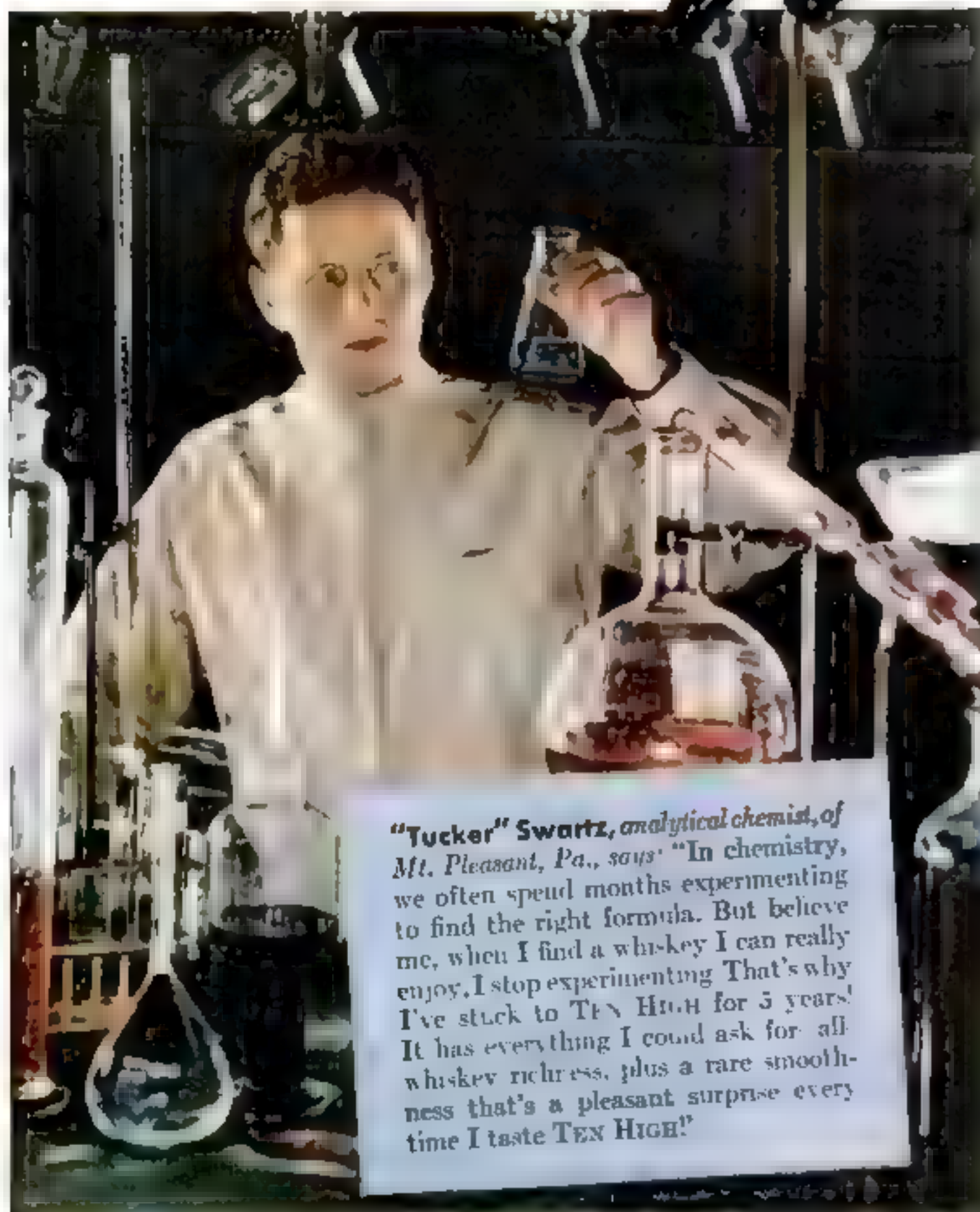
If you agree that life owes you a little more fun, try
the whiskey that's been doubling America's enjoy-
ment for 5 long years! For sociable good times, treat
yourself—and your guests—to TEN HIGH. It's a pleas-
ure to drink, and a whiskey you'll be mighty proud to
serve. For TEN HIGH is famous from coast to coast
for its rich, satisfying flavor. And it's *all* whiskey
so straight and smooth there's not a "rough edge" in
a barrelful. Ask for TEN HIGH at your liquor store
or bar and treat yourself tonight!

*Double your enjoyment
with*

**TEN
HIGH**

STRAIGHT BOURBON WHISKEY
STRAIGHT RYE WHISKEY

90 PROOF HIRAM WALKER & SONS INC., PEORIA, ILL.



"Tucker" Swartz, analytical chemist, of
Mt. Pleasant, Pa., says: "In chemistry,
we often spend months experimenting
to find the right formula. But believe
me, when I find a whiskey I can really
enjoy, I stop experimenting. That's why
I've stuck to TEN HIGH for 5 years!
It has everything I could ask for: all
whiskey richness, plus a rare smooth-
ness that's a pleasant surprise every
time I taste TEN HIGH!"

as methodical, tenacious, professional while Graziani was the brilliant, dashing *condottiere*. Yet when they met in battle it was Graziani who dug cautiously in behind barbed wire, Wavell who flanked and surprised him in a stunning attack. "A good general has a touch of the gambler," Wavell says.

The Libyan campaign was a masterpiece of smooth co-ordination of land, sea and air forces. Under Air Commodore Raymond Collishaw of Vancouver, B. C., the R. A. F. bombed 500 Italian planes out of commission on the ground. The Navy played an equally important role in the campaign. It was Admiral Sir Andrew Cunningham's Mediterranean Fleet which, by driving the Italian Fleet off the open sea, cut Graziani's supply line from Italy and marooned him beyond help of re-inforcements. Later the Fleet bombarded the Italian positions in Libya, brought up water and gasoline for Wavell's troops and took away thousands of Italian prisoners.

Wavell's commanders in the field are given wide latitude of action within the general plan and full credit when they succeed. The Libyan campaign made at least two other heroes besides Wavell in General Sir Henry Maitland ("Jumbo") Wilson, the field commander, and General Richard Nugent O'Connor, commander of the Armored Division. This spirit of individual enterprise extends down to the privates. "My ideal infantryman," Wavell once said, "should have the qualities of a successful poacher, a cat, burglar and a gunman."

Swift pursuit leads to victory

A cardinal principle of Wavell's strategy, which he learned from Allenby, is swift pursuit. After the fall of Sidi Barrani he never gave the enemy a chance to dig in deep or to mount a counter-attack. "To the uninitiated," he writes in *Allenby*, "pursuit seems the easiest possible form of war. To chase a flying, presumably demoralized enemy must be a simple matter, promising much gain at the expense of some exertion and hardship, but little danger. Yet the successful or sustained pursuits of history have been few, the escapes from a lost battle many." As the enemy falls back on depots and re-inforcements, he is growing stronger all the time, while the pursuer outruns his supplies. Also, troops which have won a victory—officers as well as men—tend to relax and take it easy. "Energy in pursuit is the surest test of a commander's strength of will."

By last week General Wavell was approaching the mopping-up stage of his African operations. His eyes were turned to the north, where British parachute troops had landed in Italy, where British planes and ships were harrying the Italians in Albania, where the Turks showed signs of readiness to roll over before a German drive through the Balkans.

Events seemed to be shaping toward an even more important role for Britain's most successful general. If Britain is to win the war she must probably strike at Germany by land and one place to strike is from the south, at the "soft under side" of the German monster. The nucleus of the mighty army she would need for such a drive is Wavell's army and the likeliest field commander is Wavell. No general could fail to be stirred by the prospect of a campaign which might win him a place beside Marlborough and Wellington. But it has its personal drawback for a literary general. Wavell has been trying for over a year to get on with a second book about Allenby. "I want to finish it," he says unhappily, "but I just can't find the time."



Wavell's three daughters, shown in England in 1936, are with him in Cairo. Joan ("Trooper") (at left) and Felicity (center) are secretaries at GHQ. Pamela is a nurse.



Try Doing This At Bedtime Tonight

DOES morning find you fresh, clear-eyed and buoyant—glad to be alive? Or do you feel dull and heavy-headed—your whole appearance reflecting the lack of sound, refreshing sleep?

Thousands who have had this trouble are now solving it in a very simple way. They do it with the aid of new, improved Ovaltine which does these important things:—

First: When taken before going to bed, Ovaltine has the power to relieve that feeling of "nervous tension." Thus helping to condition the mind for sleep.

Second: It provides a specialized form of nourishment designed to prevent certain common types of digestive unrest. These conditions, according to medical authority, may be the cause of 50% of night-time tossing.

Third: Ovaltine also furnishes certain food elements to replenish vitality—rebuild worn-out muscle, nerve and body cells while you sleep.

The new, improved Ovaltine has recently been enriched with greater amounts of protecting minerals and greater amounts of Vitamins A, B and D. It is a scientific food-concentrate designed to accomplish specific

nutritional results for those who are rundown, nervous and under par or who sleep poorly.

These are not mere "statements" or "claims." In a 3-year scientific investigation, the majority found that, when they took Ovaltine regularly at bedtime, they definitely felt *more refreshed* in the morning.

Why Not Try It?

For the sake of your health, your nerves and particularly your appearance—try taking the new, improved Ovaltine regularly—commence at bedtime tonight.

Mail for Free Samples

OVALTINE, Dept. 341-L-3
360 N. Michigan Ave., Chicago, Ill.
Please send free samples of Regular and Chocolate Flavored Ovaltine and informative illustrated booklet on nutritional values. (One sample offer to a person (Good only in U. S. A.)

Name

Address

City State

Ovaltine
THE PROTECTING FOOD-DRINK



ROLLS OF HOMEMADE BARBED WIRE WAIT ON PIER AT NEWCASTLE, NORTH OF SYDNEY, TO BE SHIPPED TO POSSIBLE FIGHTING FRONTS FOR ENTANGLEMENTS



Unity with England's war effort is rallying cry of the unpopular government of Prime Minister Menzies, now opposed by Labor.

AUSTRALIA'S CRISIS FORCES CONTINENT

No surprise in this war are the superb fighting qualities of the Australians now routing the Italians in Libya, landing in force at Singapore, backing up the British Empire in the Far, Near and Middle East. But to the rest of the world the all-important surprise is that Australia has quietly created an industrial plant that is turning out in effective quantities the machines of modern war. In fact, Australia has done by far the best job among the democracies in re-arming in a hurry, without waste or fuss or unnecessary delay. Part proof are the pictures on these and the following pages. Australia has passed India in munitions output, is overhauling Canada and, in proportion to its population

of 7,000,000, already shames England and the U. S.

Six years ago this youngest of continents was primarily a land of sheep, mines and timber, buying its manufactured goods from England. It had, however, the great Broken Hill Proprietary mining monopoly, which dug iron, coal, lead, silver, zinc, gold, copper, antimony. The iron it gets from Iron Knob, in South Australia; the precious metals from Broken Hill deep inland; and the coal at Newcastle on the coast where are its big blast furnaces, open hearths and rolling mills. Since 1938 Australia has stepped up steel production from 1,200,000 tons to 1,700,000 tons. (Last year the U. S. produced 67,000,000 tons.) Scores of factories are turning out Lee-Enfield rifles



A COMPLETE ANTI-AIRCRAFT GUN OF THE NEW 17-IN. TYPE IS LOWERED BY MUNITIONS WORKERS. BARREL LINING WAS MADE BY LATEST FAST SHRINKING METHOD

WAR EFFORT

TO GROW UP INDUSTRIALLY

and bayonets, heavy Vickers machine guns, Bren guns and carriers, anti-aircraft guns, naval mortar powder, cartridges, shells, bomb bodies, cruiser tanks, depth charges and mines, helmets and parachutes. Though it took England four years to turn out the first Bren gun, Australia produced its first in less than a year after it got the drawings.

In the all-important field of planes, Australia thus far has produced no first-line warplanes, but it is doing valiantly at producing training planes, chiefly the North American Wirraway with a Pratt & Whitney Wasp engine, manufactured by Commonwealth Aircraft Corp. at Fisherman's Bend. A factory outside Sydney is being built to turn out Bristol Beau-

fort bombers. But so far Australia's defense rests on more than 100 American Lockheed Hudsons and an Air Training Scheme that by 1943 will have turned out 55,000 airmen, 14,000 of them pilots.

Credit for all this goes to all hard-fitting, democratic, efficient Australians, but specifically to Director General of Munitions Easton Lewis, who, like America's William S. Knudsen, was drafted from the management of the Broken Hill corporation. Australia has already spent nearly a billion dollars on the war, has enlisted 120,000 men for service at road and 50,000 for home defense, has subscribed 850,000,000 in War Savings Certificates. Already, in a year and a half of war, it has come of age industrially,



Pilots for Australia's Air Training Scheme identify the training ship that takes them to stop for flight training in Canada or Great Britain.

AUSTRALIA FEEDS THE MEN AND MACHINES

"Dinkum" is Australian for true-blue, top-notch, the McCoy. A "Dinkum Seventy" is Australian wool that gives 70 hanks to the pound and brings now about 60¢ a pound, as against the average price of 18¢ a pound. A swell party is "dinkum" and a "dinkum bloke" is a fellow who would give his shirt to help a friend. A dinkum city, certainly, is Australia's Sydney (below).

Australia's part in the British Empire's war teamwork extends to sugar (the only cane in the world harvested by white men), timber, sheep, cattle, fruit, wheat, butter and, of course, a great variety of minerals. The arid plateau and fertile shores of Australia go a long way toward feeding England. Even a little oil is wrung out of the unlimited oil shale in the mountains back of Sydney. The Broken

Hill mining company once used it as a threat to get Shell Oil to lower its wholesale price on oil for Broken Hill's oil-burning equipment.

Perhaps Australia's greatest single asset is the iron bumph shown on the opposite page. This is Iron Knob, whose 100,000,000 tons of ore above the plain of Eyre's Peninsula will last until 2,000 A.D., when the Broken Hill company will have to dig below the surface. It supplies ore barged around the southeastern tip of Australia to Newcastle and Port Kembla. Mills at Newcastle are so perfectly interrelated that the rolling mills use up the capacity of the open hearths which just take the output of the blast furnaces which can handle all the ore they are getting, and enough coke is made to feed all the furnaces.

After this stage Australian industry begins to work

the steel. Australia's bottleneck, like that of the U. S., is machine tools. Today most in use were bought from the U. S., England, Switzerland and, surprisingly, even Germany's Raboma Maschinenfabrik of Borsigwalde. Last week Assistant Director of Munitions N. K. Broderick announced that Australia now had 30 companies making machine tools and had ordered \$10,000,000 worth abroad. He counted 20,000 munitions workers and announced an increase in the 36 armament annexes now working on three shifts and crying for more skilled workers.

Australia's industrial output is, of course, picaresque beside that of the U. S., Germany or England, in that order, but it is now increasingly geared to supply the small Imperial forces in the Far East. For what it is already producing, see the following pages.



Sydney, marked by its famous bridge, is the third biggest city in the British Empire (1,300,000), after London and

Calcutta. It has some 3,000 factories and just north and south of it are the Pittsburghs of Australia, Newcastle and

Port Kembla. Iron ore comes by boat from South Australia. Skyscraper at right is that of Royal Dutch Shell Oil.



Lumber, always called "timber," is cut almost as wastefully in Western Australia as once in America, taking only the gigantic trees, wasting as much as 85% of the tree and

throwing away pygmy trees only 4 ft. thick. At right is a notable example of the Kurri, going 280 ft. high and 24 ft. thick. More plentiful is the Jarrah. Both woods are heavy



Wool and meat come from Australia's 140,000,000 sheep, so improved from a royal Spanish herd of Merinos that they produce three times as much wool of 100 times the quality

Long strong wool is indispensable for uniforms. Below is the fabulous Iron Knob which has 100,000,000 tons of ore above the plain, enough to last until the end of the century.



AUSTRALIA'S WAR EFFORT



Gun tube, white-hot, is forged at the Broken Hill plant at Newcastle for anti-aircraft gun. This great company has mills at both New-

castle and Port Kembla, north and south of Sydney, which produce nearly all the steel in Australia, and many of the finished products.

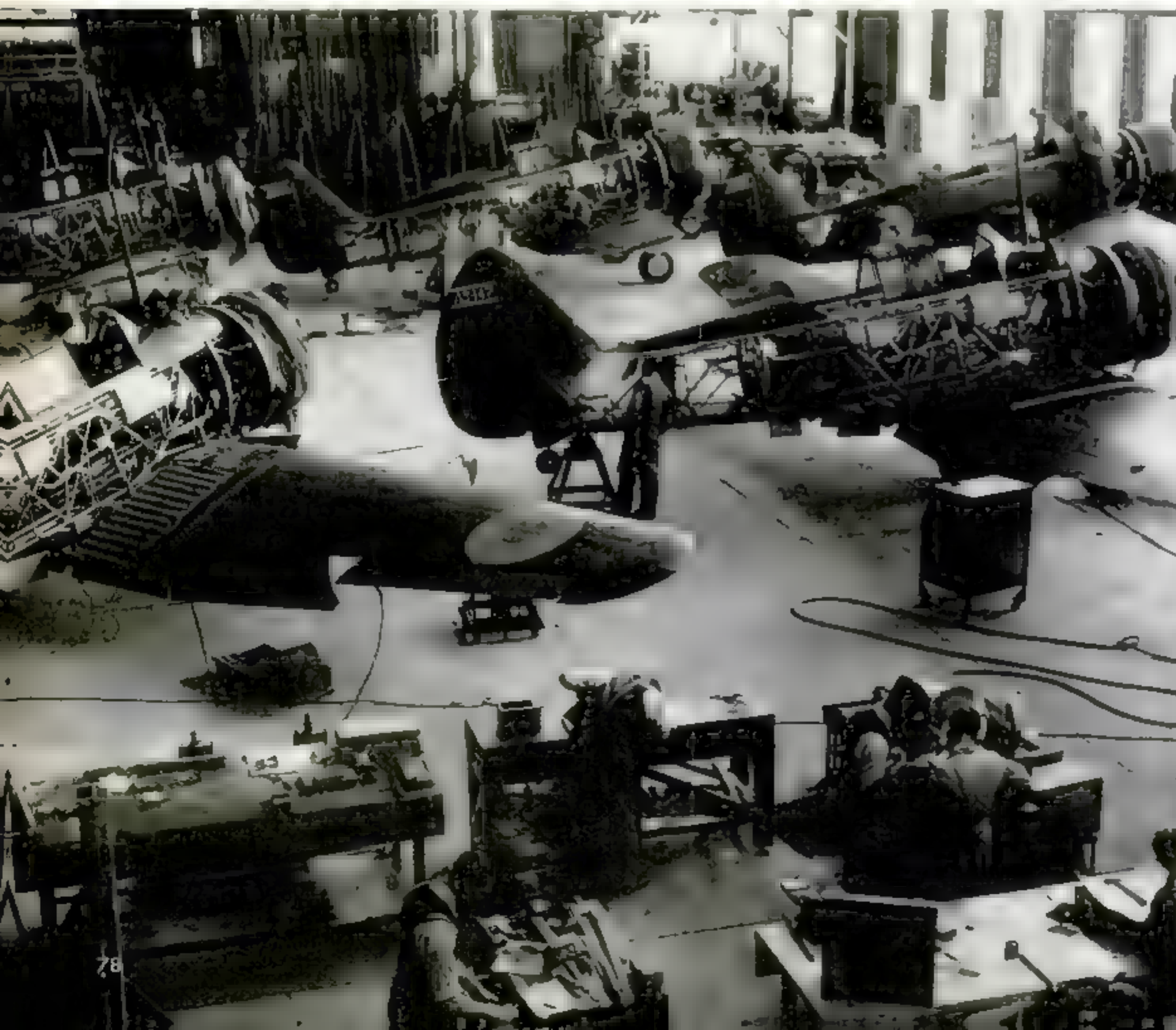
Wirraways, much the same price as the North American trainer, and the Harvards bought by England, reach the final assembly stage at

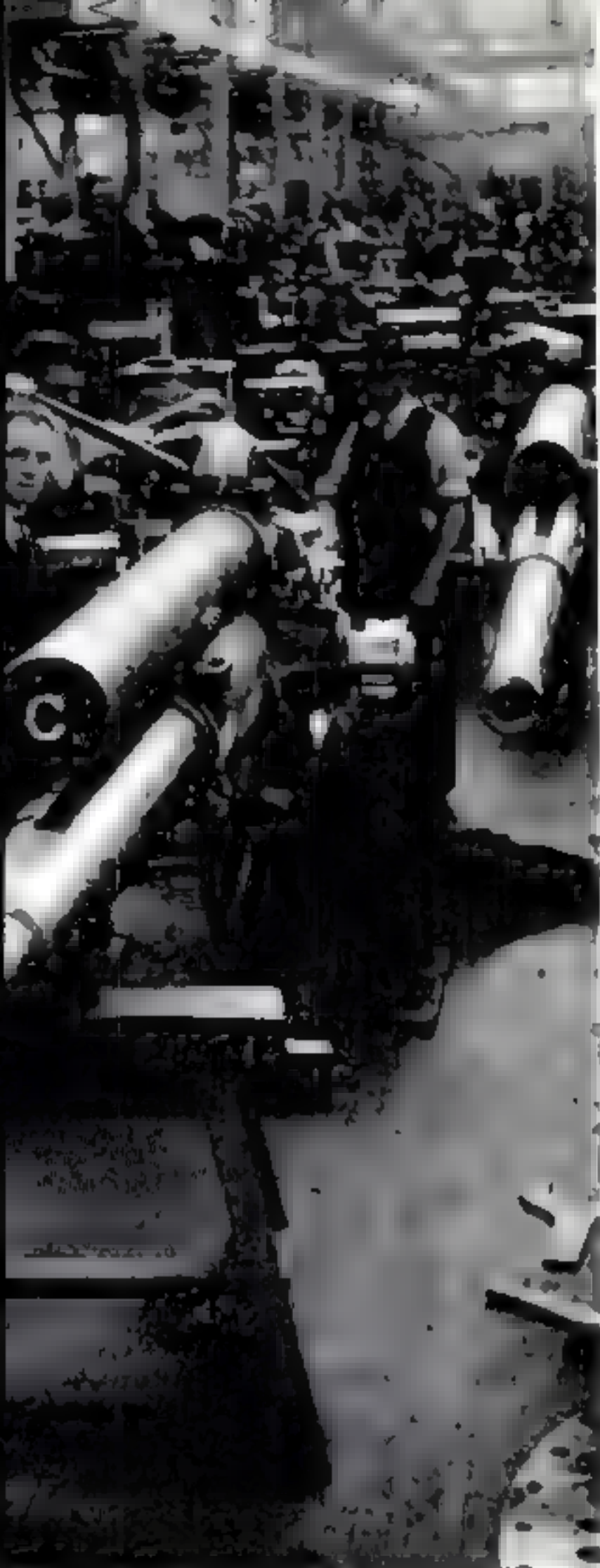
the Easternman-Bone plant of Cambridge in Victoria. The interiors of the fuselages still reveal the maze of cables and wires



Assembly in the anti-aircraft gun at Melbourne plant shows tube tapped by its rear gun-chamber.

Fuselages of the Wirraways are stacked, waiting for final assembly. Priority





Shells joined to cradle. Gun at upper left is English naval anti-aircraft gun, in for repair.



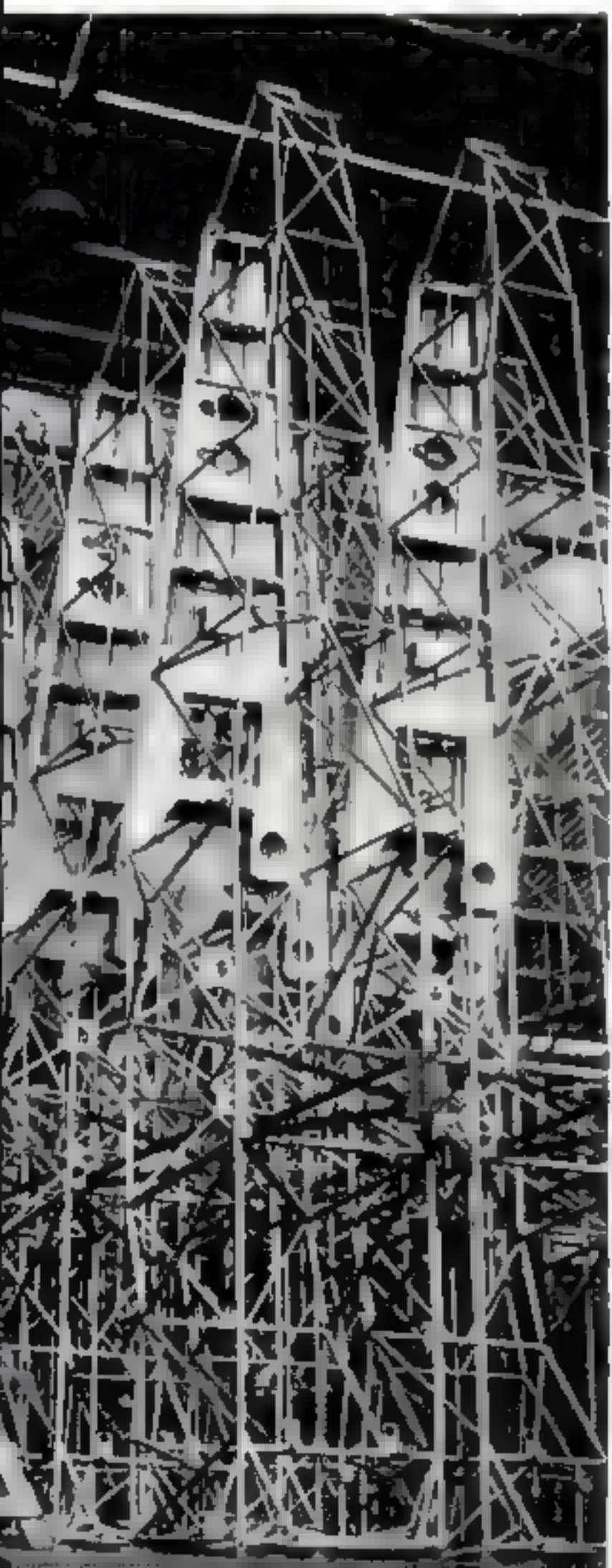
Shell cases for an 18-pounder light field gun are produced in mass here. These workmen are lacquering the cases, ready for packing

This plant is turning out close to two completed planes a day, yet it was finished only in 1938.

Wings of the Wirraways are fit of fuselages the wheelbarrow-like at the upper left roll into line. They are all metal except for the fuselages

to England where they will get their explosive filling and fuses. One big catch in Australia's armament is the lack of powder production.

over the airframe. The Pratt and Whitney single-row Wasp engine is also manufactured here with machine tools purchased in the U.S.



AUSTRALIA'S WAR EFFORT (continued)



Australian women, young and older, pretty and grim, march in Brisbane parade. So far only ones in war are

nurses. Prettiest Australians live in Perth, those with the best figures in Sydney where swimming is popular.



Veteran nurse wears decoration ribbons from the last war. The pin with crown and rising sun is badge of the Australian military forces.

THE AUSTRALIANS ARE READY FOR THE TEST

Sole lords of a continent far from other white continents, the Australians have developed into a race of self-respecting, unaffected, brawny believers in direct action. They strikingly resemble American Texans. The Australian wears rusty business clothes and felt hat even in the bush. In Sydney he wears white tie and tails even to a third-rate night spot. A high percentage of Australians have false teeth.

All Australians are big consumers. Together with the nearby New Zealanders, they out-consume the world in flour, sugar, butter, beef and mutton. They drink vast amounts of tea, black and preferably

boiled in a 10-quart "billy can" in the bush. They do a great deal of swimming, despite the fact that as many as 30 sharks have been caught off the beaches in one day. (But Sydney beaches have cut down shark tragedies to zero.) They dislike anybody who tries to patronize Australia. Their chief pests, the rabbit, fox and blowfly, come from England. They love horses and dislike the sheep they raise in quantity.

Every worker belongs to a union, and he will not work overtime if any members of his union are still unemployed. It is easy to join a union and fees are very small. In Australia "cowboy" means the man

who drives in the cows and milks them; a ranch is a "station"; a "jackaroo" is an apprentice on a sheep station; sheep are "monkeys"; a "mob" is a flock of sheep; a "cracker" is a small operator.

These faraway people were last week in the hot spot of being the nearest white men to the scene of Japanese expansion toward Singapore, the Netherlands Indies and the Philippines. Their Acting Prime Minister boldly announced that, "if war comes to the Pacific, Australia will fight to the end to preserve her way of living, and no one need think her helpless and unfitted to meet such a supreme test."



Goddess of War, Bellona, who wears a skull emblazoned on her helmet, is one of the only two statues in Australia's new capital of Canberra.



Memories of the last war are kept alive by Sydney's Cenotaph with Kipling's inscription, *Lest We Forget*.

In the background, on the facade of the Post Office, are the stone lion and unicorn of the British dynasty.



Men of two wars hold a swimming meet in the pool of Sydney's Lambless Soldiers Association clubhouse. The Royal Australian Air Force team (*above*), currently the champion 12-man relay team in Sydney, gave the veterans (*below*) a small handicap and won by a

close margin. The 4,200 members of the Lambless Soldiers in Australia wear a badge, ride on trams and trolleys free and are socially very active and popular. All Australians hold them in considerable respect. The Sydney clubhouse is a \$230,000 showplace with bowling green.







You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.